

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU Q-36-8-17				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-44305			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	2135 FSL 2047 FWL		NESW	36	8.0 S	17.0 E	S			
Top of Uppermost Producing Zone	1429 FSL 1428 FWL		NESW	36	8.0 S	17.0 E	S			
At Total Depth	1073 FSL 1087 FWL		SWSW	36	8.0 S	17.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1073		23. NUMBER OF ACRES IN DRILLING UNIT 20					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 840		26. PROPOSED DEPTH MD: 6430 TVD: 6430					
27. ELEVATION - GROUND LEVEL 5018			28. BOND NUMBER B001834		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 6430	15.5	J-55 LT&C	8.3	Premium Lite High Strength	306	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 02/25/2011			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43047515080000				APPROVAL Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU Q-36-8-17
AT SURFACE: NE/SW SECTION 36, T8S, R17E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1530'
Green River	1530'
Wasatch	6200'
Proposed TD	6430'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1530' – 6200'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU Q-36-8-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950	1,370	244,000
						17.53	14.35	33.89
Prod casing 5-1/2"	0'	6,430'	15.5	J-55	LTC	4,810	4,040	217,000
						2.35	1.97	2.18

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU Q-36-8-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138	30%	15.8	1.17
			161			
Prod casing Lead	4,430'	Prem Lite II w/ 10% gel + 3% KCl	306	30%	11.0	3.26
			998			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

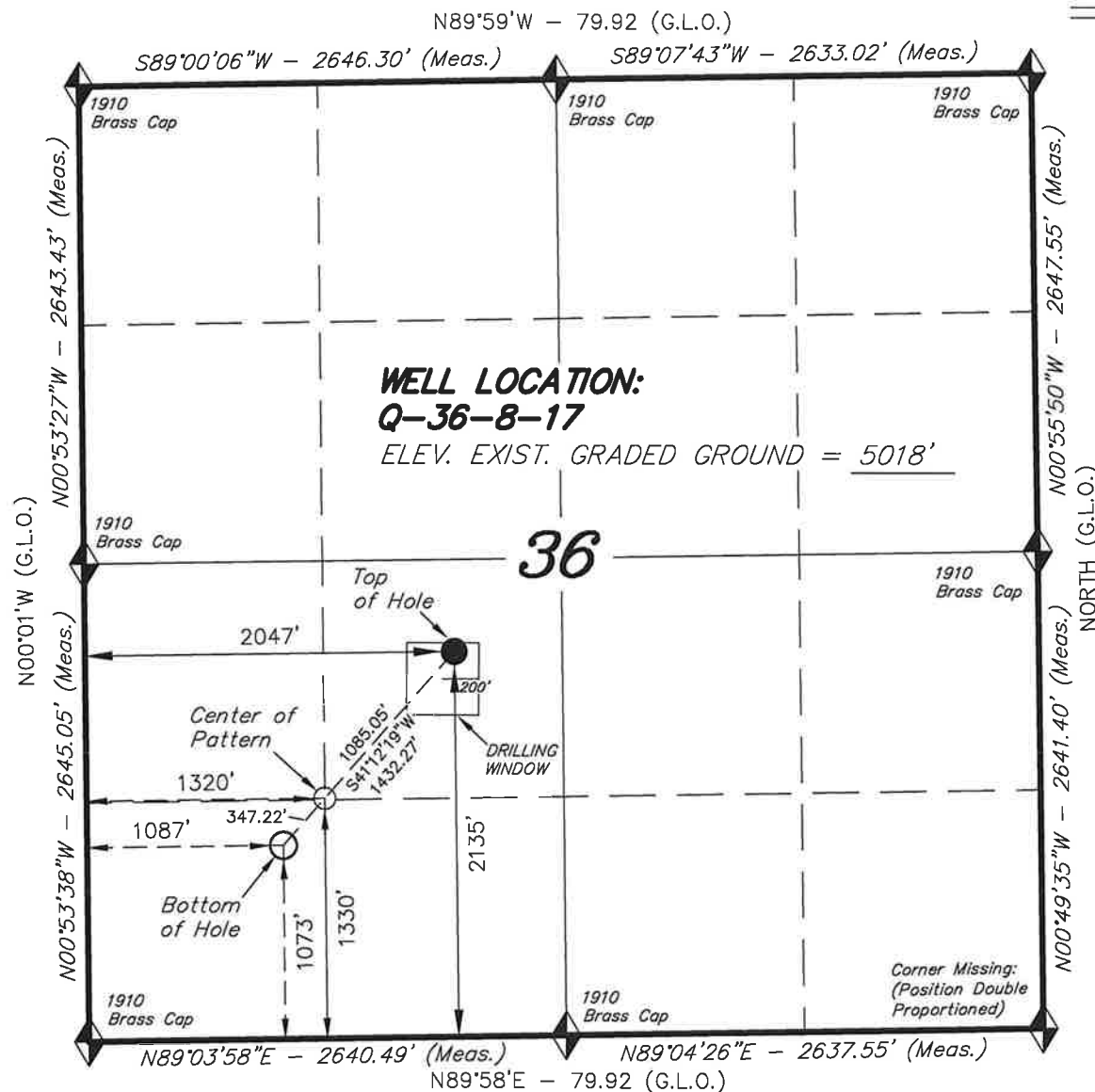
T8S, R17E, S.L.B.&M.**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, Q-36-8-17, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, Q-36-8-17, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

**WELL LOCATION:
Q-36-8-17**

ELEV. EXIST. GRADED GROUND = 5018'



◆ = SECTION CORNERS LOCATED

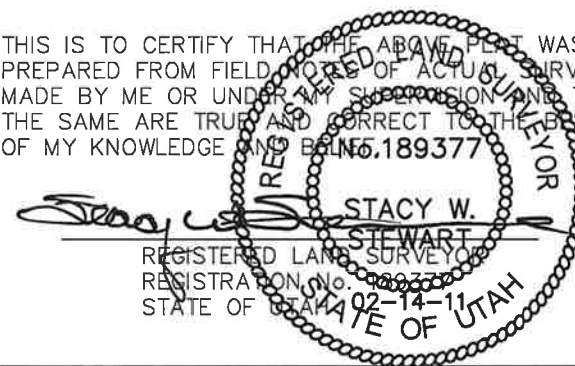
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

Q-36-8-17
(Surface Location) **NAD 83**
LATITUDE = 40° 04' 22.94"
LONGITUDE = 109° 57' 25.36"

**NOTES:**

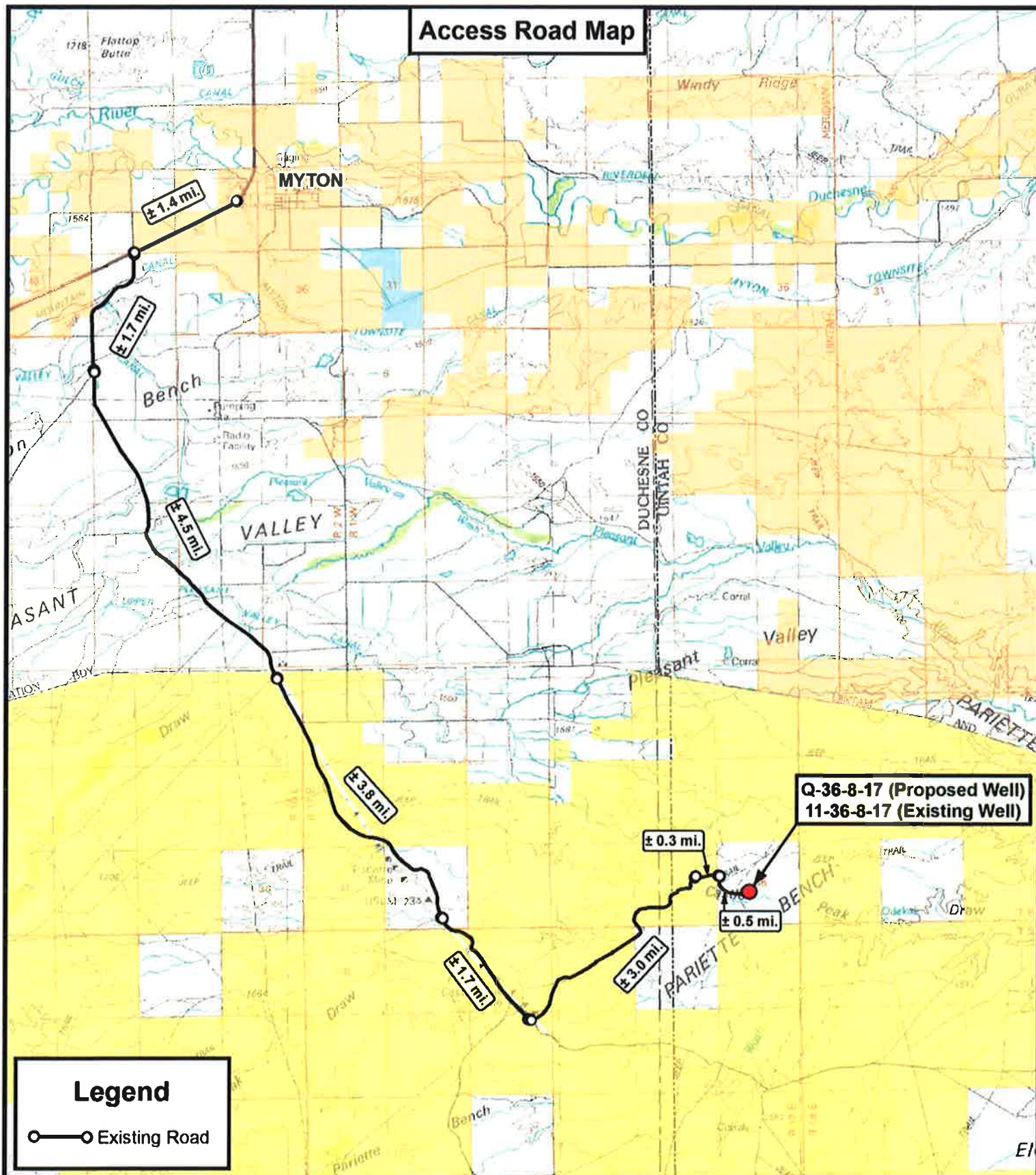
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-21-11	SURVEYED BY: T.P.
DATE DRAWN: 02-01-11	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

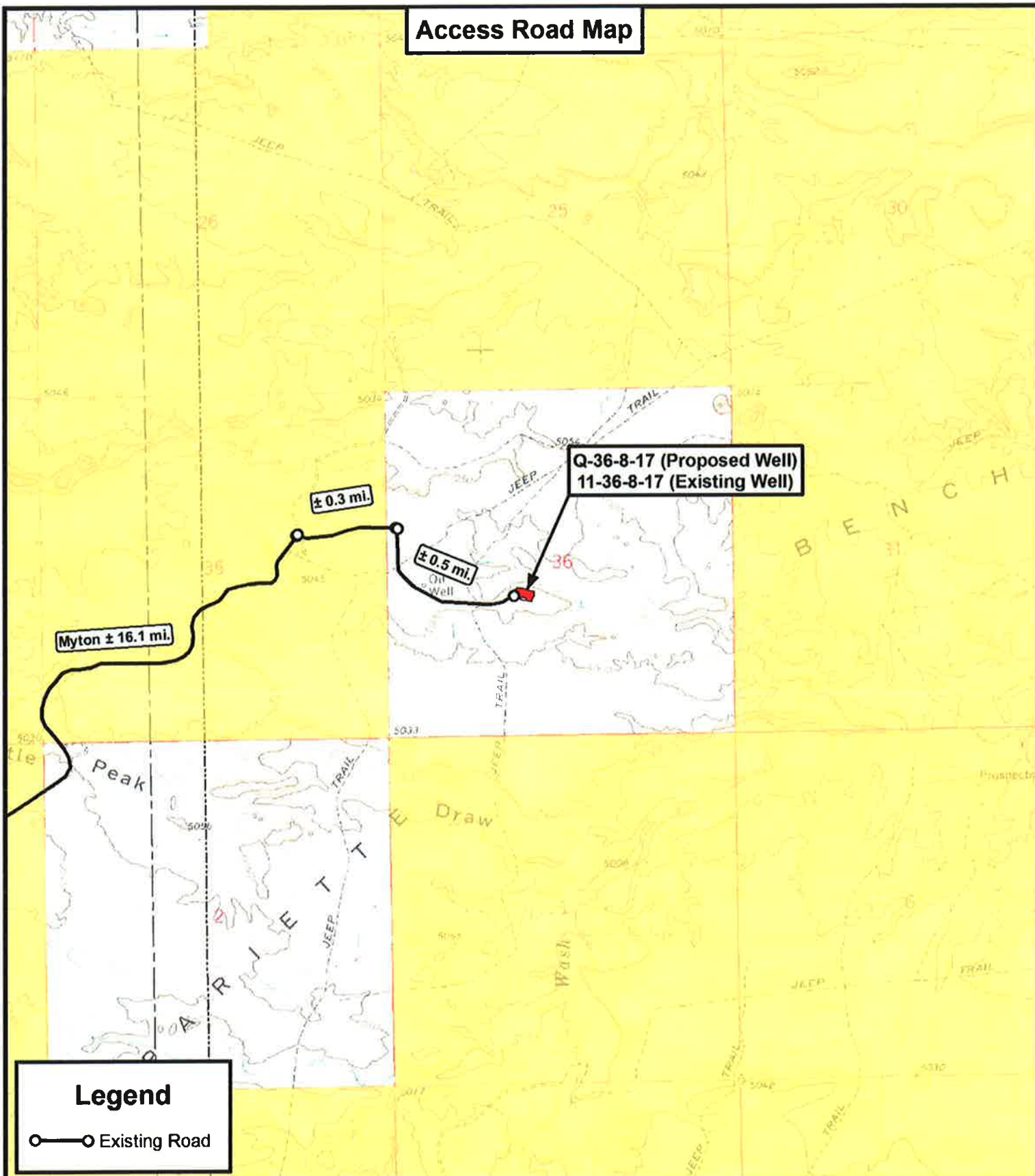
Q-36-8-17 (Proposed Well)
 11-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

DRAWN BY: C.H.M.
 DATE: 02-08-2011
 SCALE: 1:100,000

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



Legend

—○— Existing Road

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Q-36-8-17 (Proposed Well)
11-36-8-17 (Existing Well)
SEC. 36, T8S, R17E, S.L.B.&M.
Uintah County, UT.

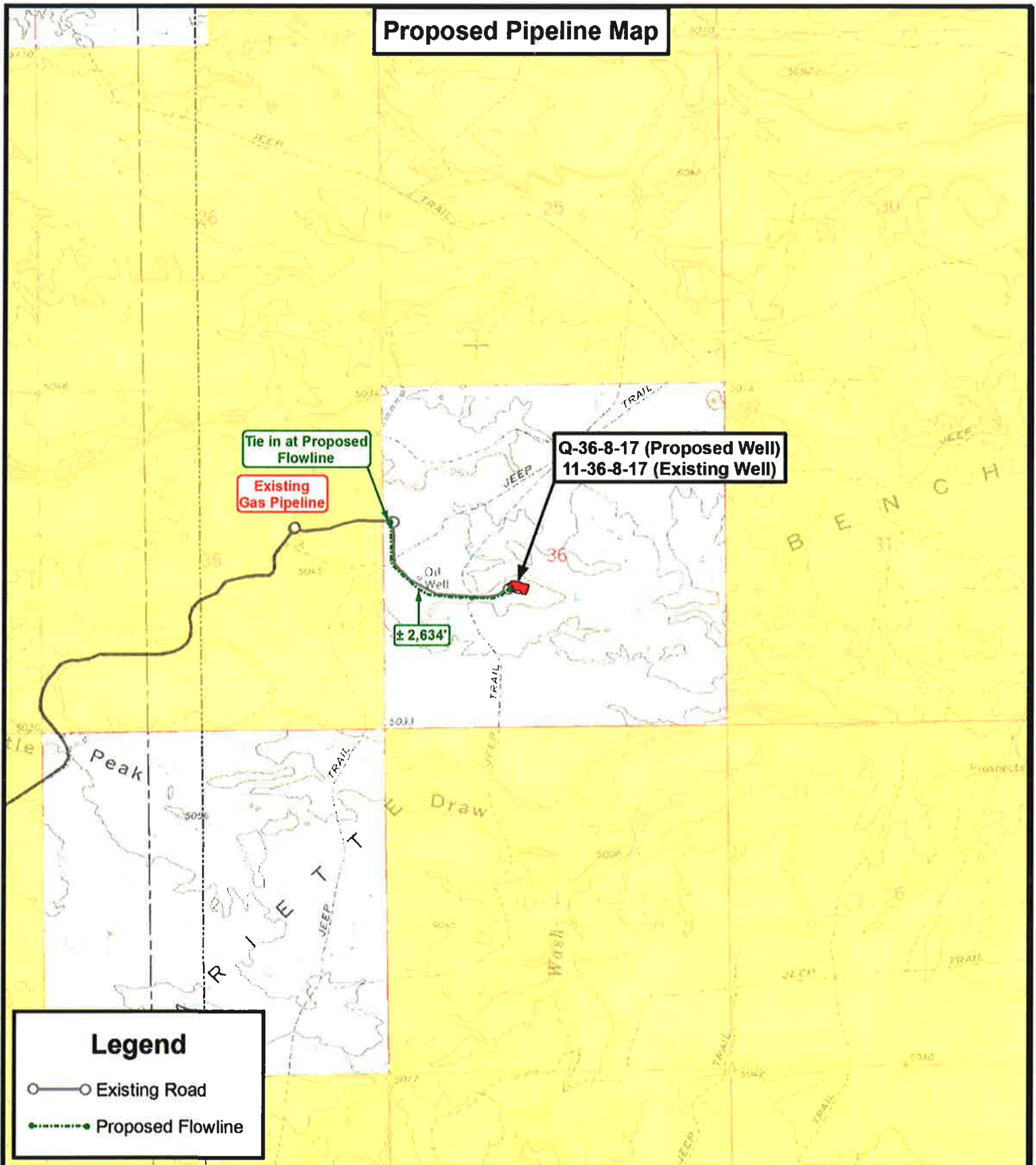
DRAWN BY: C.H.M.
DATE: 02-08-2011
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
B

RECEIVED: Feb. 25, 2011

Proposed Pipeline Map



Legend

- Existing Road
- Proposed Flowline

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N



NEWFIELD EXPLORATION COMPANY

Q-36-8-17 (Proposed Well)
 11-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

DRAWN BY: C.H.M.
 DATE: 02-08-2011
 SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

RECEIVED: Feb. 25, 2011

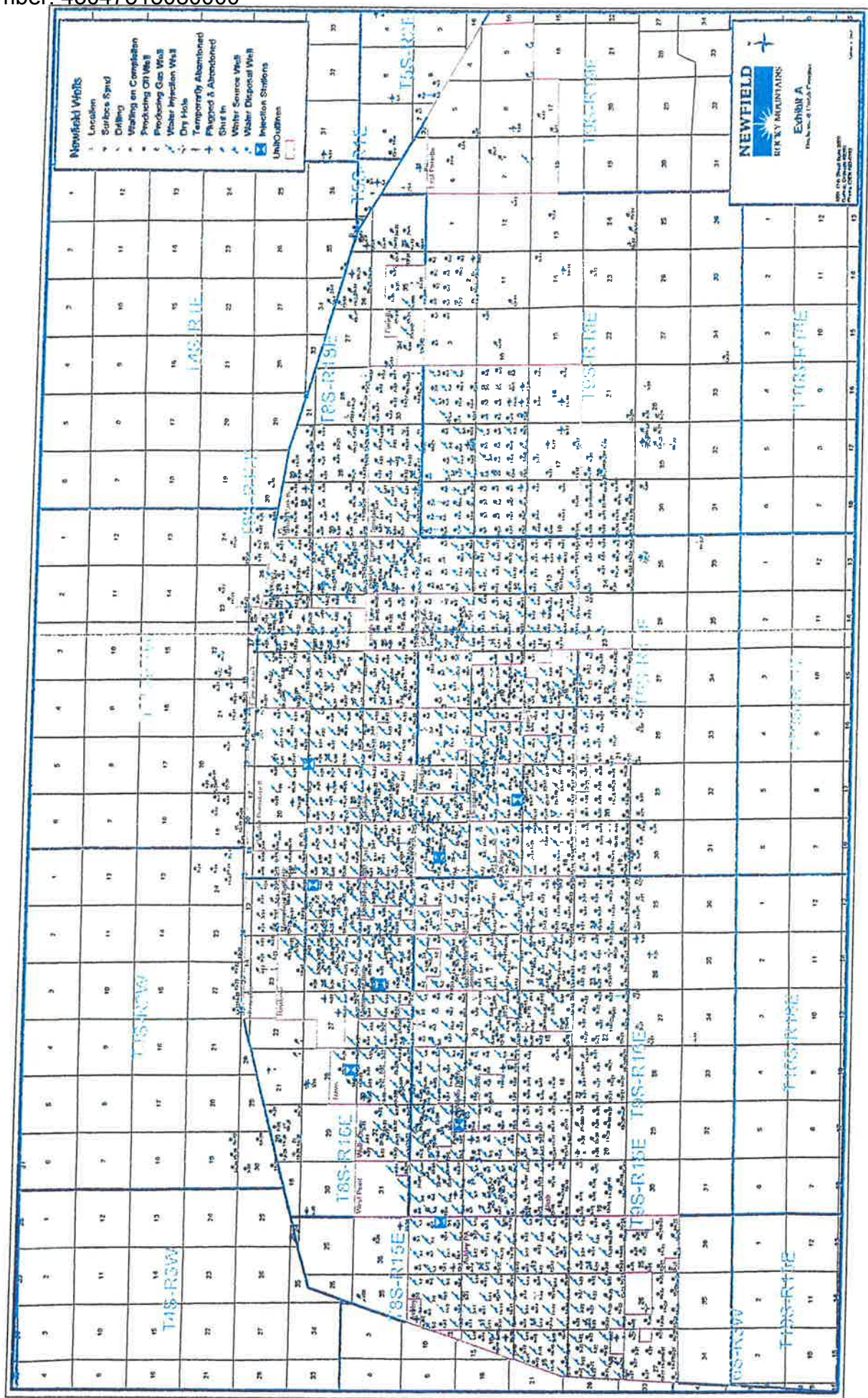
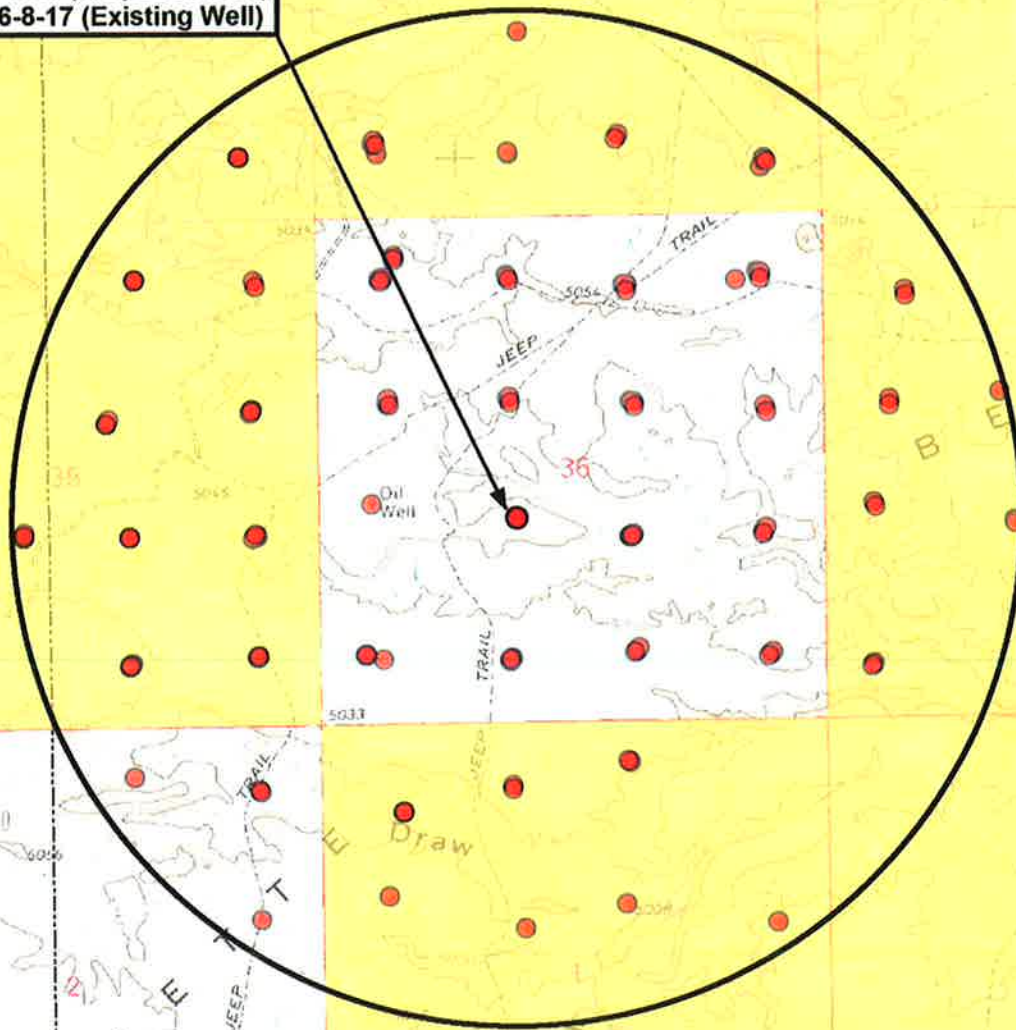


Exhibit "B" Map

Q-36-8-17 (Proposed Well)
11-36-8-17 (Existing Well)



Legend

-  1 Mile Radius
-  Pad Location

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NEWFIELD EXPLORATION COMPANY

Q-36-8-17 (Proposed Well)
11-36-8-17 (Existing Well)
 SEC. 36, T8S, R17E, S.L.B.&M.
 Uintah County, UT.

DRAWN BY: C.H.M.
 DATE: 02-08-2011
 SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
D



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
Q-36-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

31 January, 2011





Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-36-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Site:	SECTION 36 T8S, R17E	North Reference:	Grid
Well:	Q-36-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site		SECTION 36 T8S, R17E			
Site Position:		Northing:	7,200,290.92 ft	Latitude:	40° 4' 35.190 N
From:	Lat/Long	Easting:	2,072,102.31 ft	Longitude:	109° 57' 26.000 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.99 °

Well	Q-36-8-17, SHL LAT: 40 04 22.94 LONG: -109 57 25.36					
Well Position	+N/-S	-1,238.5 ft	Northing:	7,199,052.47 ft	Latitude:	40° 4' 22.940 N
	+E/-W	71.1 ft	Easting:	2,072,173.43 ft	Longitude:	109° 57' 25.360 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,030.0 ft	Ground Level:	5,018.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/01/31	11.32	65.85	52,341

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,000.0	0.0	0.0	221.21

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,642.8	15.64	221.21	1,629.9	-106.4	-93.2	1.50	1.50	0.00	221.21	
5,142.5	15.64	221.21	5,000.0	-816.3	-714.9	0.00	0.00	0.00	0.00	Q-36-8-17 TGT
6,430.2	15.64	221.21	6,240.0	-1,077.5	-943.6	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-36-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Site:	SECTION 36 T8S, R17E	North Reference:	Grid
Well:	Q-36-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	221.21	700.0	-1.0	-0.9	1.3	1.50	1.50	0.00
800.0	3.00	221.21	799.9	-3.9	-3.4	5.2	1.50	1.50	0.00
900.0	4.50	221.21	899.7	-8.9	-7.8	11.8	1.50	1.50	0.00
1,000.0	6.00	221.21	999.3	-15.7	-13.8	20.9	1.50	1.50	0.00
1,100.0	7.50	221.21	1,098.6	-24.6	-21.5	32.7	1.50	1.50	0.00
1,200.0	9.00	221.21	1,197.5	-35.4	-31.0	47.0	1.50	1.50	0.00
1,300.0	10.50	221.21	1,296.1	-48.1	-42.1	64.0	1.50	1.50	0.00
1,400.0	12.00	221.21	1,394.2	-62.8	-55.0	83.5	1.50	1.50	0.00
1,500.0	13.50	221.21	1,491.7	-79.4	-69.5	105.5	1.50	1.50	0.00
1,600.0	15.00	221.21	1,588.6	-97.9	-85.7	130.2	1.50	1.50	0.00
1,642.8	15.64	221.21	1,629.9	-106.4	-93.2	141.5	1.50	1.50	0.00
1,700.0	15.64	221.21	1,685.0	-118.0	-103.4	156.9	0.00	0.00	0.00
1,800.0	15.64	221.21	1,781.3	-138.3	-121.1	183.8	0.00	0.00	0.00
1,900.0	15.64	221.21	1,877.6	-158.6	-138.9	210.8	0.00	0.00	0.00
2,000.0	15.64	221.21	1,973.9	-178.9	-156.6	237.8	0.00	0.00	0.00
2,100.0	15.64	221.21	2,070.2	-199.2	-174.4	264.7	0.00	0.00	0.00
2,200.0	15.64	221.21	2,166.5	-219.4	-192.2	291.7	0.00	0.00	0.00
2,300.0	15.64	221.21	2,262.8	-239.7	-209.9	318.7	0.00	0.00	0.00
2,400.0	15.64	221.21	2,359.1	-260.0	-227.7	345.6	0.00	0.00	0.00
2,500.0	15.64	221.21	2,455.4	-280.3	-245.5	372.6	0.00	0.00	0.00
2,600.0	15.64	221.21	2,551.6	-300.6	-263.2	399.5	0.00	0.00	0.00
2,700.0	15.64	221.21	2,647.9	-320.9	-281.0	426.5	0.00	0.00	0.00
2,800.0	15.64	221.21	2,744.2	-341.1	-298.8	453.5	0.00	0.00	0.00
2,900.0	15.64	221.21	2,840.5	-361.4	-316.5	480.4	0.00	0.00	0.00
3,000.0	15.64	221.21	2,936.8	-381.7	-334.3	507.4	0.00	0.00	0.00
3,100.0	15.64	221.21	3,033.1	-402.0	-352.0	534.4	0.00	0.00	0.00
3,200.0	15.64	221.21	3,129.4	-422.3	-369.8	561.3	0.00	0.00	0.00
3,300.0	15.64	221.21	3,225.7	-442.6	-387.6	588.3	0.00	0.00	0.00
3,400.0	15.64	221.21	3,322.0	-462.8	-405.3	615.2	0.00	0.00	0.00
3,500.0	15.64	221.21	3,418.3	-483.1	-423.1	642.2	0.00	0.00	0.00
3,600.0	15.64	221.21	3,514.6	-503.4	-440.9	669.2	0.00	0.00	0.00
3,700.0	15.64	221.21	3,610.9	-523.7	-458.6	696.1	0.00	0.00	0.00
3,800.0	15.64	221.21	3,707.2	-544.0	-476.4	723.1	0.00	0.00	0.00
3,900.0	15.64	221.21	3,803.5	-564.3	-494.1	750.0	0.00	0.00	0.00
4,000.0	15.64	221.21	3,899.8	-584.5	-511.9	777.0	0.00	0.00	0.00
4,100.0	15.64	221.21	3,996.1	-604.8	-529.7	804.0	0.00	0.00	0.00
4,200.0	15.64	221.21	4,092.4	-625.1	-547.4	830.9	0.00	0.00	0.00
4,300.0	15.64	221.21	4,188.7	-645.4	-565.2	857.9	0.00	0.00	0.00
4,400.0	15.64	221.21	4,285.0	-665.7	-583.0	884.9	0.00	0.00	0.00
4,500.0	15.64	221.21	4,381.3	-686.0	-600.7	911.8	0.00	0.00	0.00
4,600.0	15.64	221.21	4,477.6	-706.2	-618.5	938.8	0.00	0.00	0.00
4,700.0	15.64	221.21	4,573.9	-726.5	-636.3	965.7	0.00	0.00	0.00
4,800.0	15.64	221.21	4,670.2	-746.8	-654.0	992.7	0.00	0.00	0.00
4,900.0	15.64	221.21	4,766.5	-767.1	-671.8	1,019.7	0.00	0.00	0.00
5,000.0	15.64	221.21	4,862.8	-787.4	-689.5	1,046.6	0.00	0.00	0.00
5,100.0	15.64	221.21	4,959.1	-807.7	-707.3	1,073.6	0.00	0.00	0.00
5,142.5	15.64	221.21	5,000.0	-816.3	-714.9	1,085.0	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Q-36-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	Q-36-8-17 @ 5030.0ft (Newfield Rig)
Site:	SECTION 36 T8S, R17E	North Reference:	Grid
Well:	Q-36-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Q-36-8-17 TGT									
5,200.0	15.64	221.21	5,055.4	-827.9	-725.1	1,100.6	0.00	0.00	0.00
5,300.0	15.64	221.21	5,151.7	-848.2	-742.8	1,127.5	0.00	0.00	0.00
5,400.0	15.64	221.21	5,248.0	-868.5	-760.6	1,154.5	0.00	0.00	0.00
5,500.0	15.64	221.21	5,344.3	-888.8	-778.4	1,181.4	0.00	0.00	0.00
5,600.0	15.64	221.21	5,440.5	-909.1	-796.1	1,208.4	0.00	0.00	0.00
5,700.0	15.64	221.21	5,536.8	-929.4	-813.9	1,235.4	0.00	0.00	0.00
5,800.0	15.64	221.21	5,633.1	-949.6	-831.6	1,262.3	0.00	0.00	0.00
5,900.0	15.64	221.21	5,729.4	-969.9	-849.4	1,289.3	0.00	0.00	0.00
6,000.0	15.64	221.21	5,825.7	-990.2	-867.2	1,316.2	0.00	0.00	0.00
6,100.0	15.64	221.21	5,922.0	-1,010.5	-884.9	1,343.2	0.00	0.00	0.00
6,200.0	15.64	221.21	6,018.3	-1,030.8	-902.7	1,370.2	0.00	0.00	0.00
6,300.0	15.64	221.21	6,114.6	-1,051.1	-920.5	1,397.1	0.00	0.00	0.00
6,400.0	15.64	221.21	6,210.9	-1,071.3	-938.2	1,424.1	0.00	0.00	0.00
6,430.2	15.64	221.21	6,240.0	-1,077.5	-943.6	1,432.2	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Q-36-8-17 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	5,000.0	-816.3	-714.9	7,198,236.18	2,071,458.58	40° 4' 14.995 N	109° 57' 34.736 W

API Well Number: 43047515080000



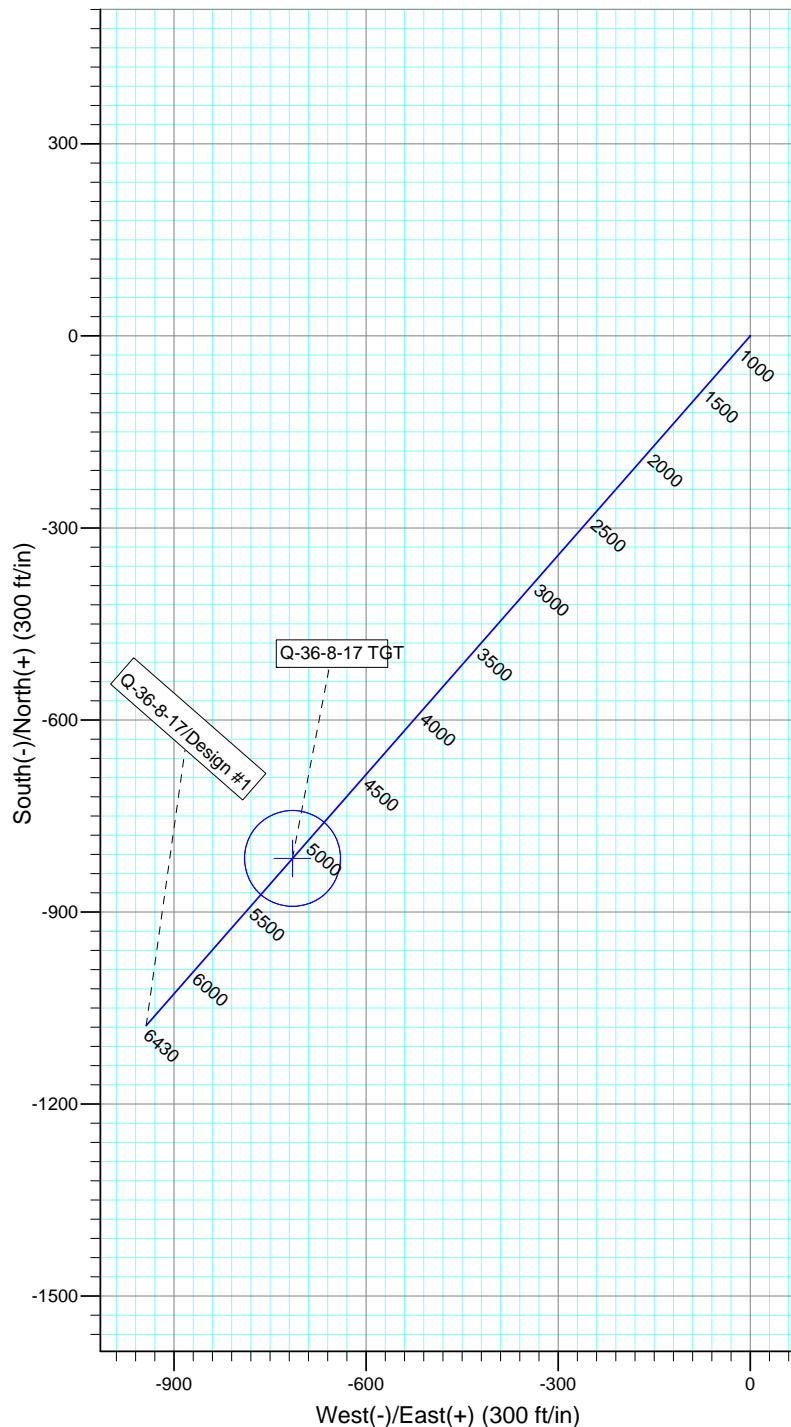
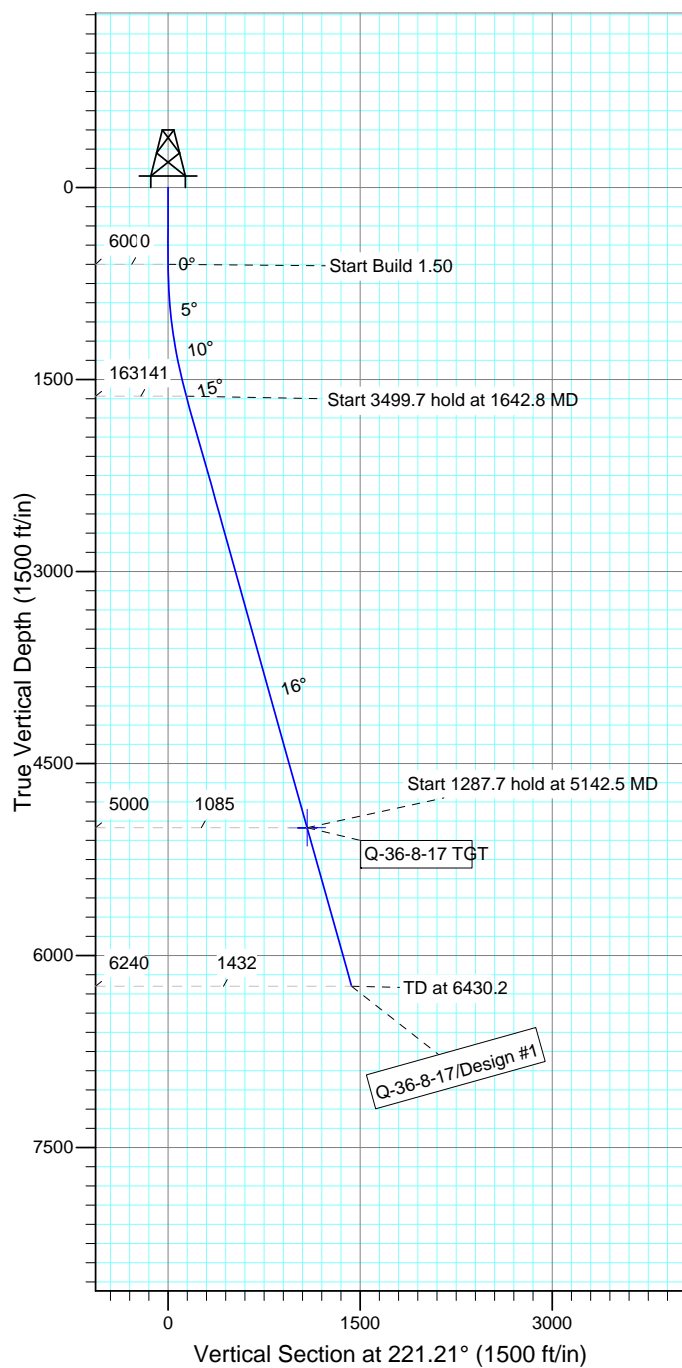
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: Q-36-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.99°
 Magnetic North: 10.33°

Magnetic Field
 Strength: 52341.1snT
 Dip Angle: 65.85°
 Date: 2011/01/31
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Q-36-8-17 TGT	5000.0	-816.3	-714.9	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1642.8	15.64	221.21	1629.9	-106.4	-93.2	1.50	221.21	141.5	
4	5142.5	15.64	221.21	5000.0	-816.3	-714.9	0.00	0.00	1085.0	Q-36-8-17 TGT
5	6430.2	15.64	221.21	6240.0	-1077.5	-943.6	0.00	0.00	1432.2	



RECEIVED: Feb. 25, 2011

**NEWFIELD PRODUCTION COMPANY
GMBU Q-36-8-17
AT SURFACE: NE/SW SECTION 36, T8S, R17E
UINTAH COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU Q-36-8-17 located in the NE 1/4 SW 1/4 Section 36, T8S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 3.3 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 0.5 miles \pm to the access road to the existing 11-36-8-17 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 11-36-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

12. **OTHER ADDITIONAL INFORMATION :**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Surface Flow Line

Newfield requests 2634' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU Q-36-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to

reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU Q-36-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative


Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #Q-36-8-17, Section 36, Township 8S, Range 17E: Lease ML-44305 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2/25/11
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

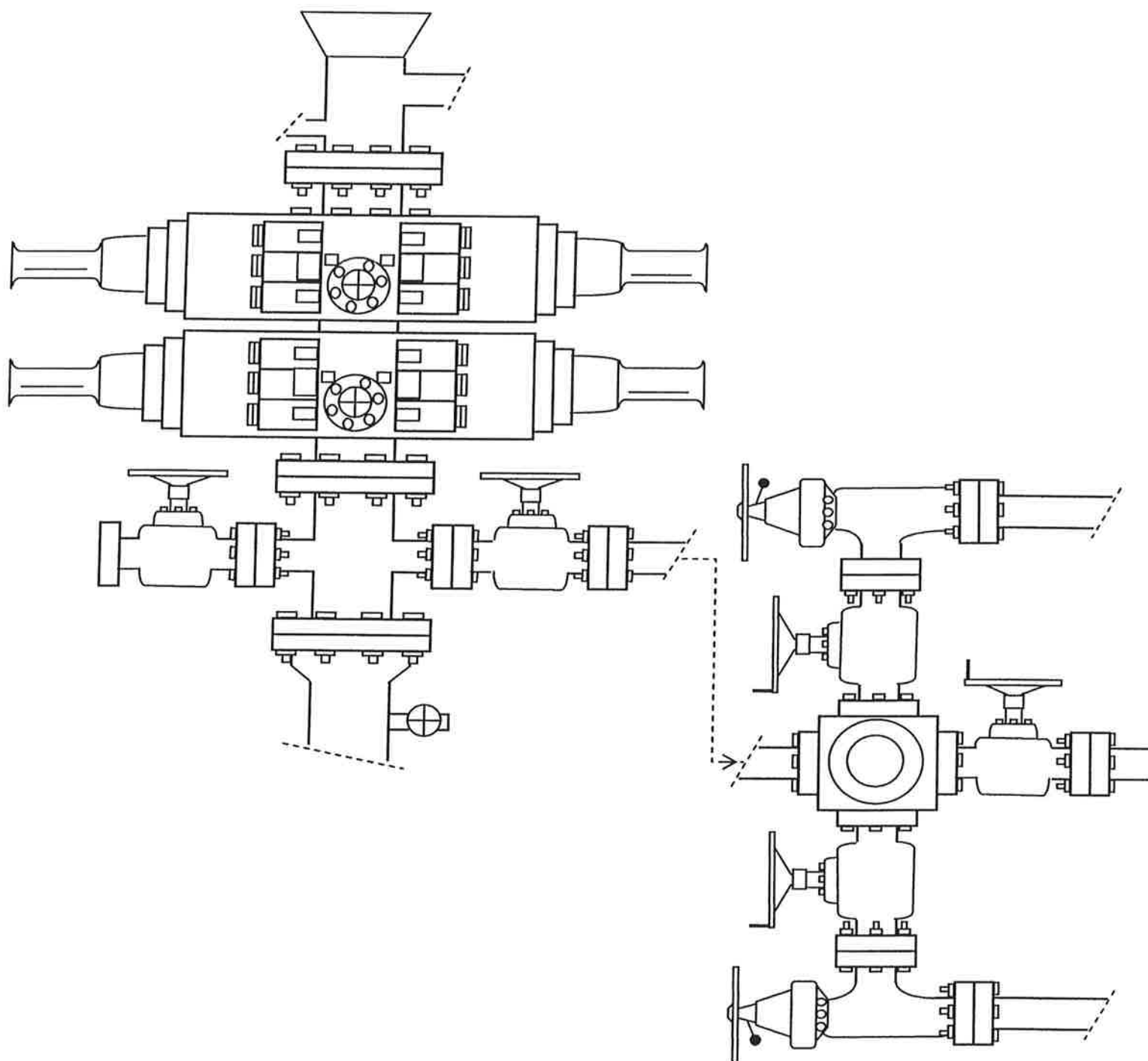


EXHIBIT C

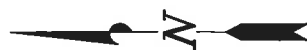
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

Q-36-8-17 (Proposed Well)

11-36-8-17 (Existing Well)

Pad Location: NESW Section 36, T8S, R17E, S.L.B.&M.



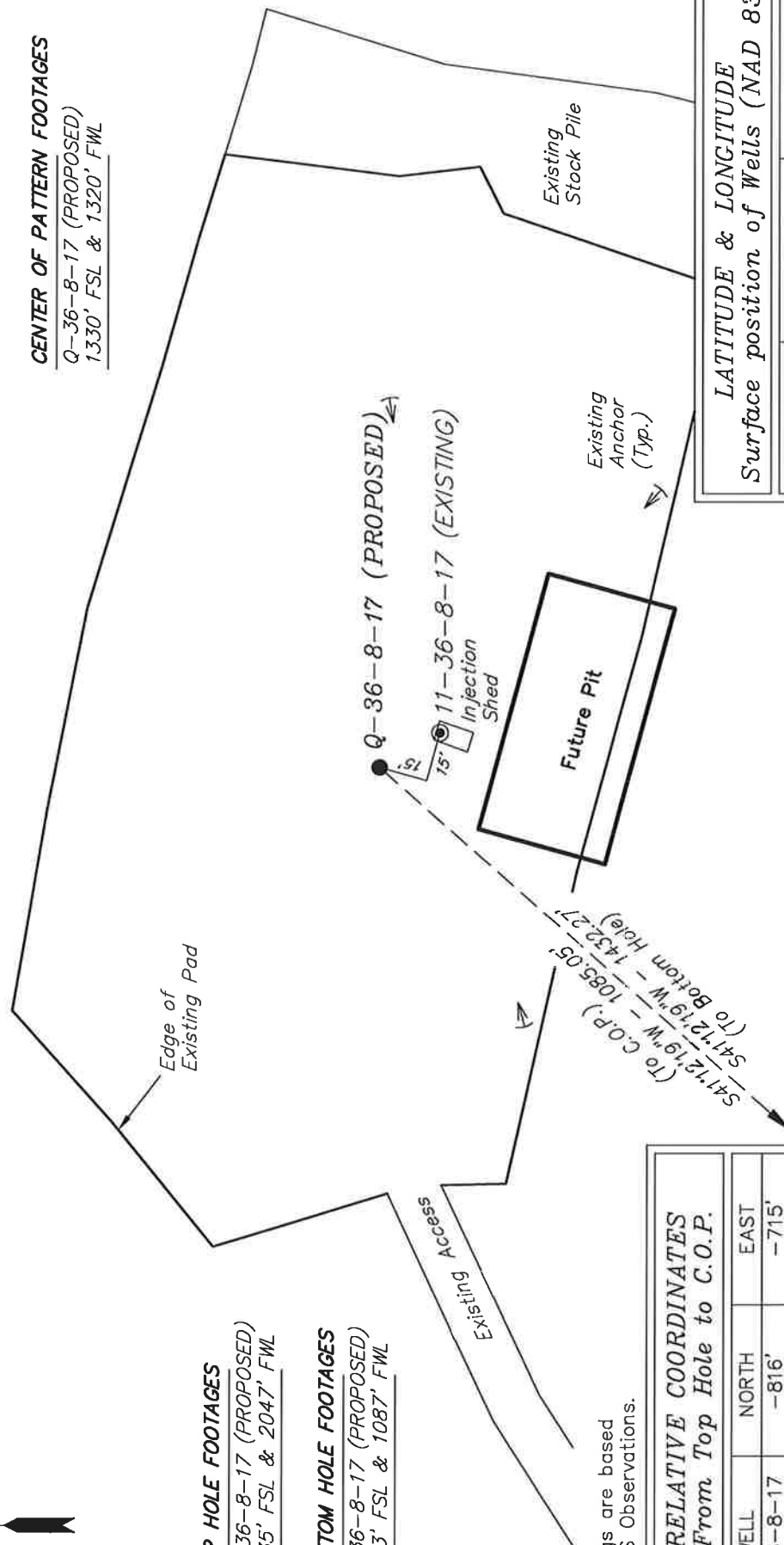
CENTER OF PATTERN FOOTAGES
 Q-36-8-17 (PROPOSED)
 1330' FSL & 1320' FWL

TOP HOLE FOOTAGES

Q-36-8-17 (PROPOSED)
 2135' FSL & 2047' FWL

BOTTOM HOLE FOOTAGES

Q-36-8-17 (PROPOSED)
 1073' FSL & 1087' FWL



Note:
 Bearings are based
 on GPS Observations.

RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
Q-36-8-17	-816'	-715'

RELATIVE COORDINATES From Top Hole to Bottom Hole

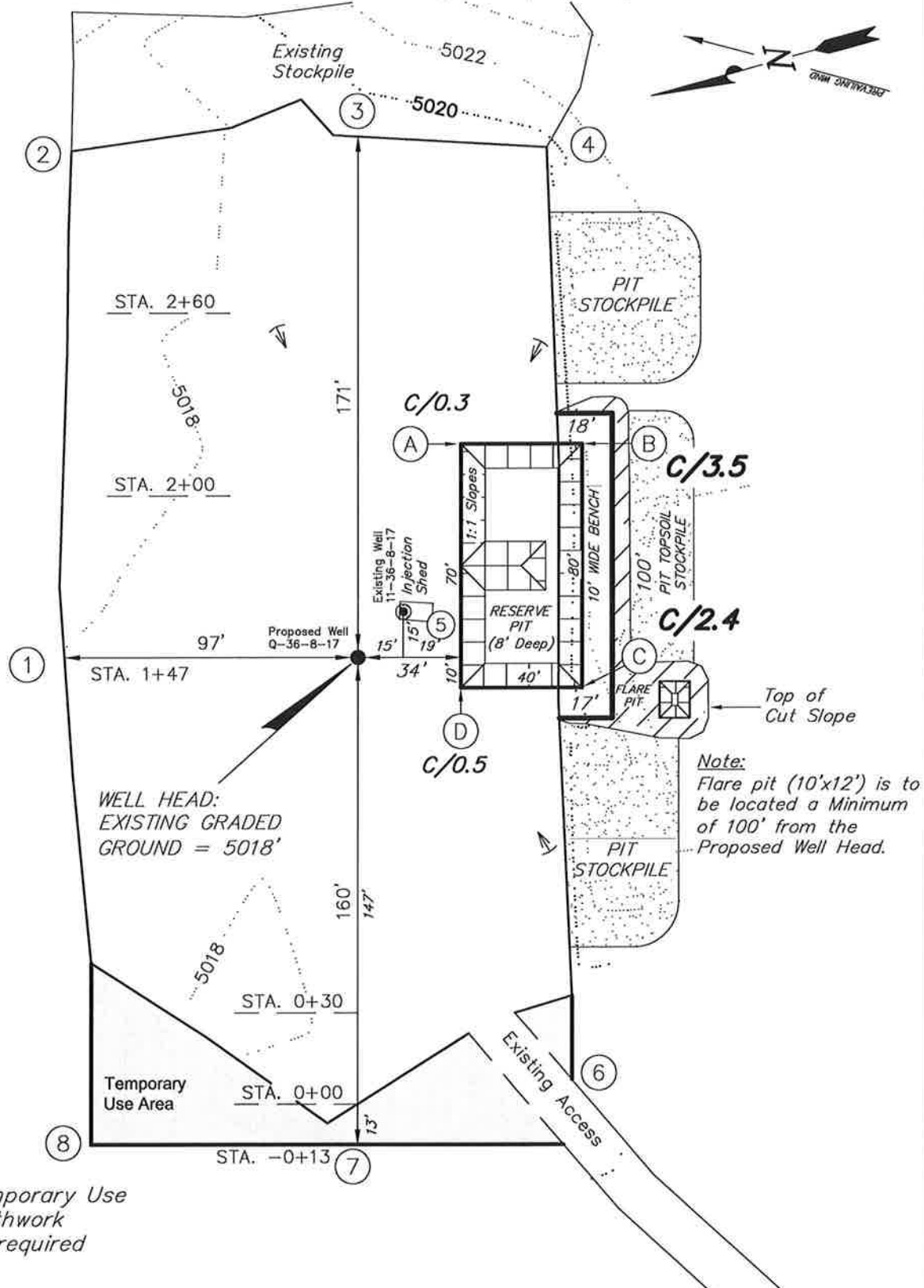
WELL	NORTH	EAST
Q-36-8-17	-1,078'	-944'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
Q-36-8-17	40° 04' 22.94"	109° 57' 25.36"
11-36-8-17	40° 04' 22.76"	109° 57' 25.23"

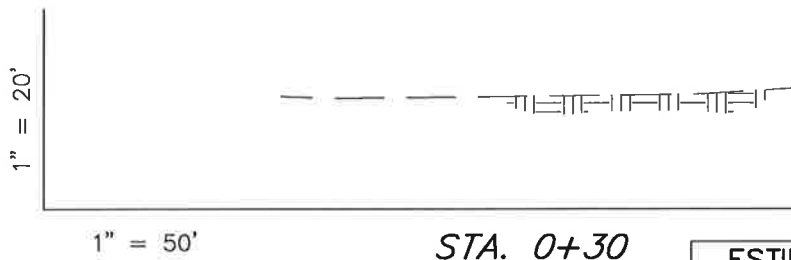
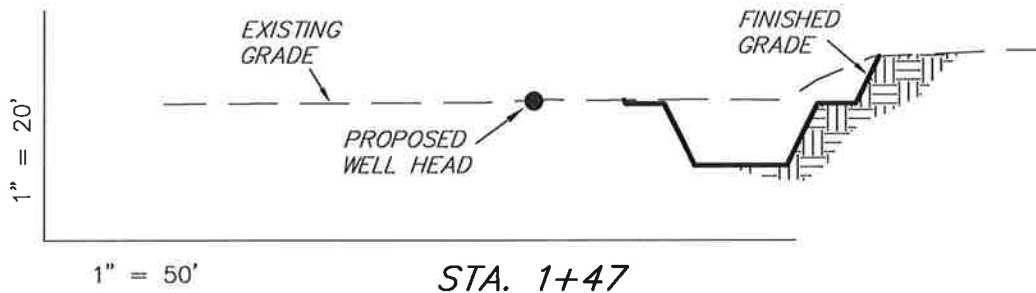
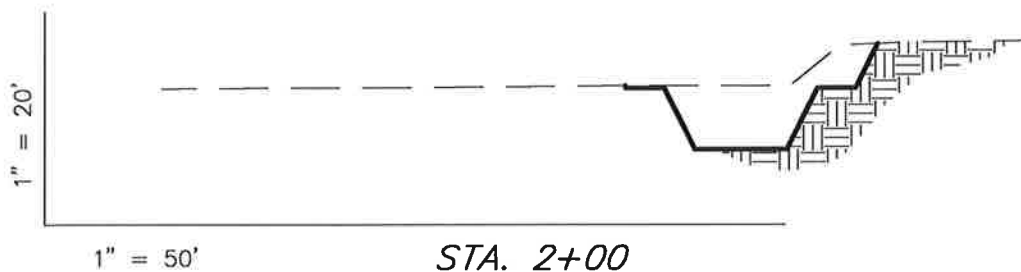
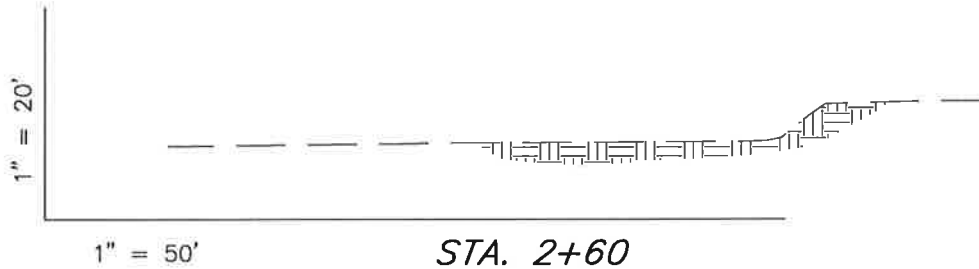
Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

SURVEYED BY: T.P. DATE SURVEYED: 01-21-11
 DRAWN BY: M.W. DATE DRAWN: 02-01-11
 SCALE: 1" = 50' REVISED:

NEWFIELD EXPLORATION COMPANY**LOCATION LAYOUT****Q-36-8-17 (Proposed Well)****11-36-8-17 (Existing Well)***Pad Location: NESW Section 36, T8S, R17E, S.L.B.&M.*

SURVEYED BY: T.P.	DATE SURVEYED: 01-21-11
DRAWN BY: M.W.	DATE DRAWN: 02-01-11
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD EXPLORATION COMPANY**CROSS SECTIONS****Q-36-8-17 (Proposed Well)****11-36-8-17 (Existing Well)***Pad Location: NESW Section 36, T8S, R17E, S.L.B.&M.*

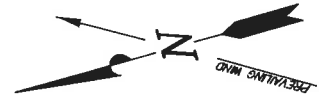
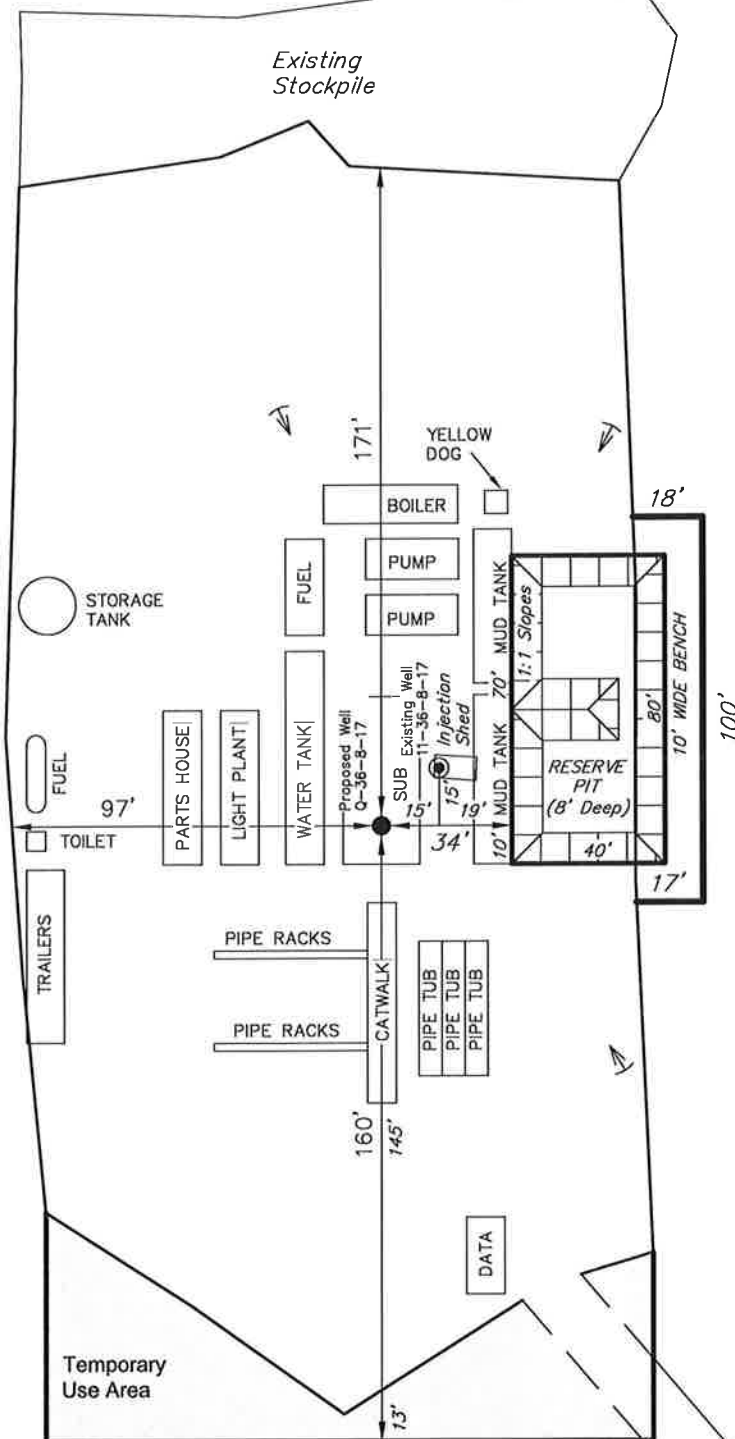
NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	460	0	Topsoil is not included in Pad Cut	460
PIT	640	0		640
TOTALS	1,100	0	140	1,100

SURVEYED BY: T.P.	DATE SURVEYED: 01-21-11
DRAWN BY: M.W.	DATE DRAWN: 02-01-11
SCALE: 1" = 50'	REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY**TYPICAL RIG LAYOUT****Q-36-8-17 (Proposed Well)****11-36-8-17 (Existing Well)***Pad Location: NESW Section 36, T8S, R17E, S.L.B.&M.*

Note:
Flare pit (10'x12') is to be located a Minimum of 100' from the Proposed Well Head.

Note:
Proposed Temporary Use Area, No Earthwork Adjustments required (0.12 Acres)

SURVEYED BY: T.P.	DATE SURVEYED: 01-21-11
DRAWN BY: M.W.	DATE DRAWN: 02-01-11
SCALE: 1" = 50'	REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

VIA ELECTRONIC DELIVERY



March 1, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte Q-36-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 36: NESW (ML-44305)
2135' FSL 2047' FWL

At Target: T8S-R17E Section 36: SWSW (ML-44305)
1073' FSL 1087' FWL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 2/25/11, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "S. Gillespie".

Shane Gillespie
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO. ML-44305	6. SURFACE State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company				9. WELL NAME and NUMBER: GMBU Q-36-8-17	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 Myton UT 84052			PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES): AT SURFACE NE/SW 2135' FSL 2047' FWL Sec. 36 T8S R17E AT PROPOSED PRODUCING ZONE: SW/SW 1073' FSL 1087' FWL Sec. 36 T8S R17E				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 36 8S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 16.9 miles southeast of Myton, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 1073' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE: 640.00 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 840'		19. PROPOSED DEPTH: 6,430		20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5018' GL		22. APPROXIMATE DATE WORK WILL START: 2nd Qtr. 2011		23. ESTIMATED DURATION: (15) days from SPUD to rig release	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	300	Class G w/2% CaCl 155 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,430	Lead(Prem Lite II) 275 sx +/- 3.26 11.0
			Tail (50/50 Poz) 450 sx +/- 1.24 14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

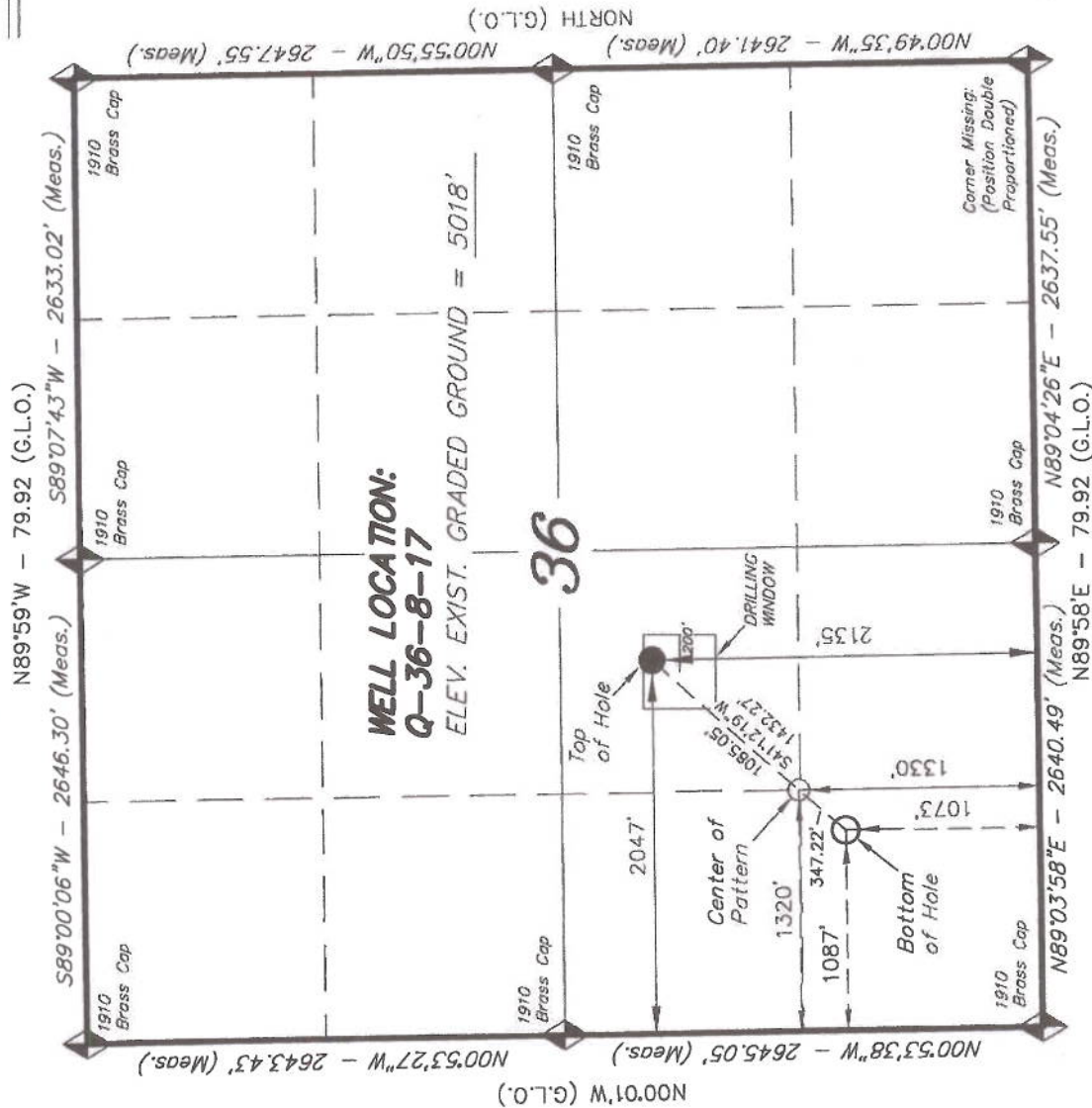
- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Mandie CrozierTITLE Regulatory SpecialistSIGNATURE Mandie CrozierDATE 2/25/11

(This space for State use only)

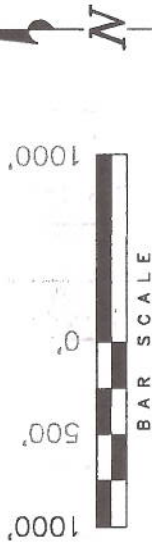
API NUMBER ASSIGNED: _____

APPROVAL: _____

T8S, R17E, S.L.B.&M.**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, Q-36-8-17, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, Q-36-8-17, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 36, T8S, R17E, S.L.B.&M. UTAH COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE SET WAS PREPARED FROM FIELD NOTES OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

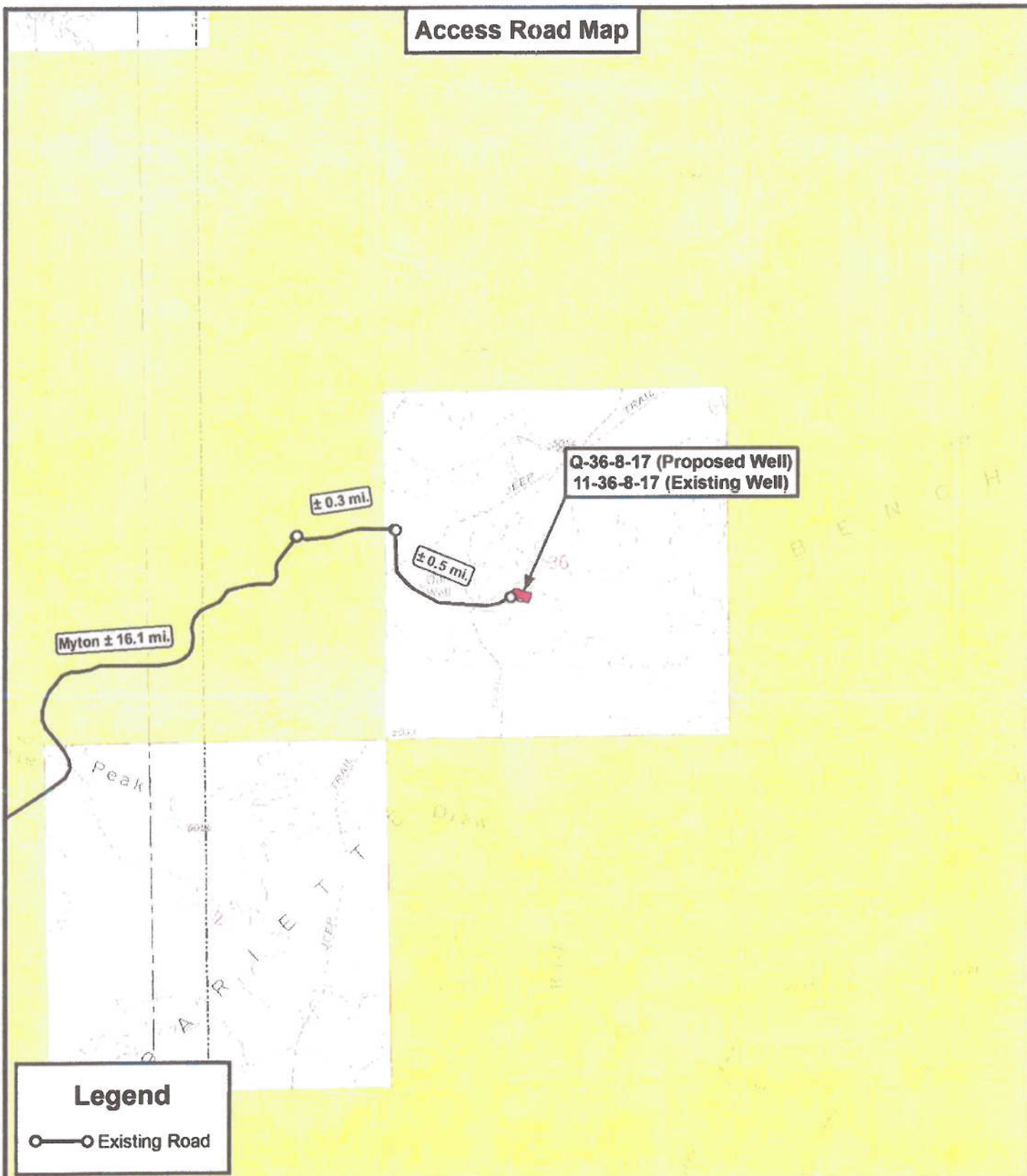
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 01-21-11	SURVEYED BY: T.P.
DATE DRAWN: 02-01-11	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

Q-36-8-17
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 22.94"
 LONGITUDE = 109° 57' 25.36"

◆ = SECTION CORNERS LOCATED
 BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

Access Road Map



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

N



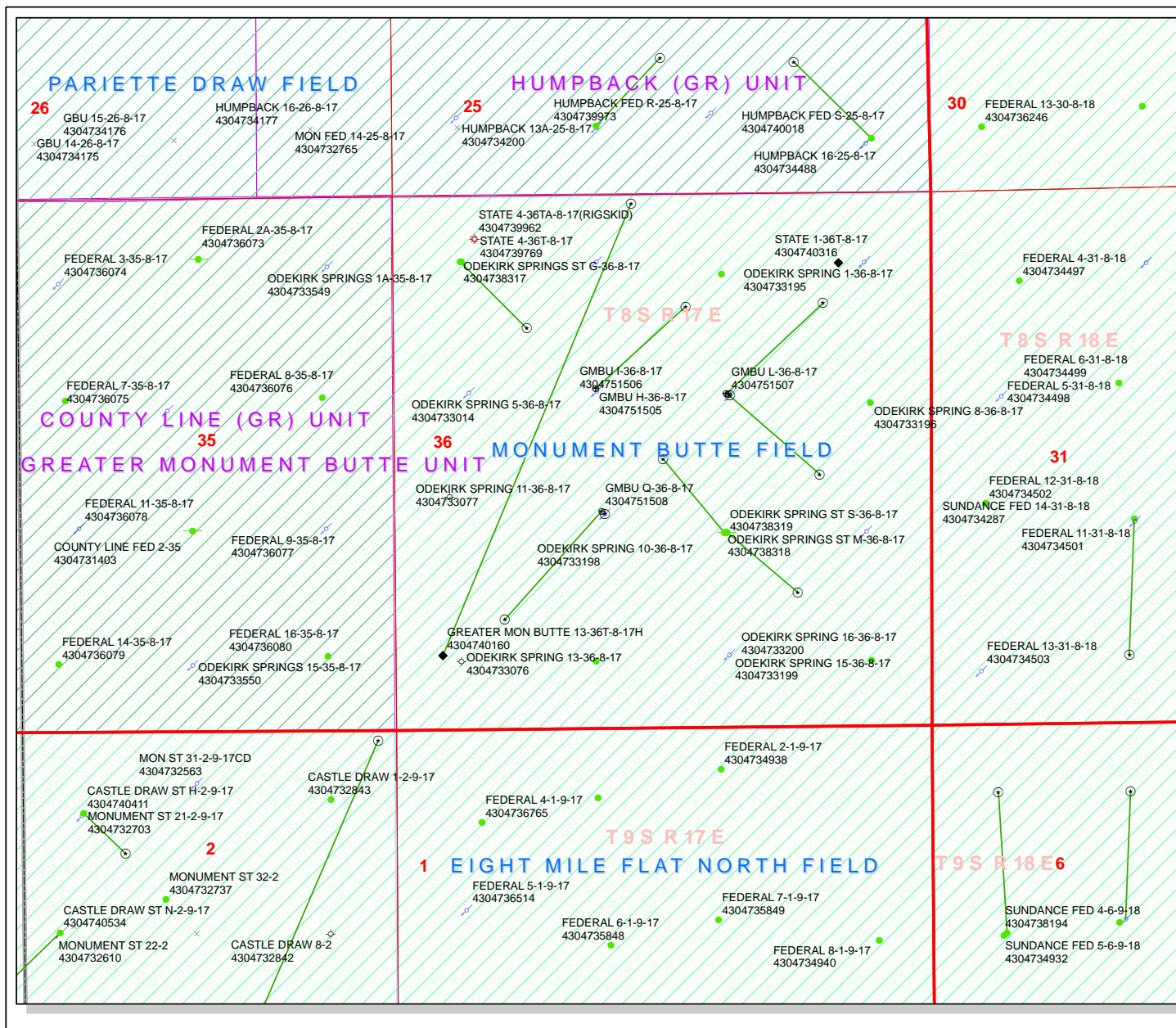
NEWFIELD EXPLORATION COMPANY

Q-36-8-17 (Proposed Well)
11-36-8-17 (Existing Well)
SEC. 36, T8S, R17E, S.L.B.&M.
Uintah County, UT.

DRAWN BY: C.H.M.
DATE: 02-08-2011
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

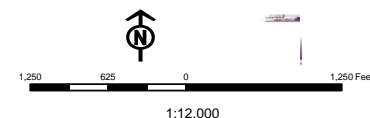
SHEET
B



API Number: 4304751508
Well Name: GMBU Q-36-8-17
Township 08.0 S Range 17.0 E Section 36
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
STATUS	STATUS
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	SGW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp. Abandoned
ACTIVE	TW - Test Well
COMBINED	WDW - Water Disposal
INACTIVE	WIW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	
Sections	
Township	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 1, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal well is planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-51505	GMBU H-36-8-17	Sec 36 T08S R17E 1916 FNL 1996 FWL BHL Sec 36 T08S R17E 1115 FNL 2413 FEL
43-047-51506	GMBU I-36-8-17	Sec 36 T08S R17E 1980 FNL 2018 FEL BHL Sec 36 T08S R17E 1094 FNL 1064 FEL
43-047-51507	GMBU L-36-8-17	Sec 36 T08S R17E 1985 FNL 1997 FEL BHL Sec 36 T08S R17E 2481 FSL 1100 FEL
43-047-51508	GMBU Q-36-8-17	Sec 36 T08S R17E 2135 FSL 2047 FWL BHL Sec 36 T08S R17E 1073 FSL 1087 FWL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.03.01 09:39:49 -0700

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-1-11

RECEIVED: Mar. 01, 2011

From: Jim Davis
To: Bonner, Ed; Hill, Brad; Mason, Diana
CC: Garrison, LaVonne; mcrozier@newfield.com; teaton@newfield.com
Date: 3/21/2011 4:53 PM
Subject: 4 APD approvals for Newfield wells

The following wells have been approved by SITLA including arch clearance. The paleo requirement is not applicable as these wells will be drilled on existing pads which are not going to require any new surface disturbance.

4304751505	GMBU H-36-8-17
4304751506	GMBU I-36-8-17
4304751507	GMBU L-36-8-17
4304751508	GMBU Q-36-8-17

Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU Q-36-8-17 4304			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6240		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2765	8.5		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	NO air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2693	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1944	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1320	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1386	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

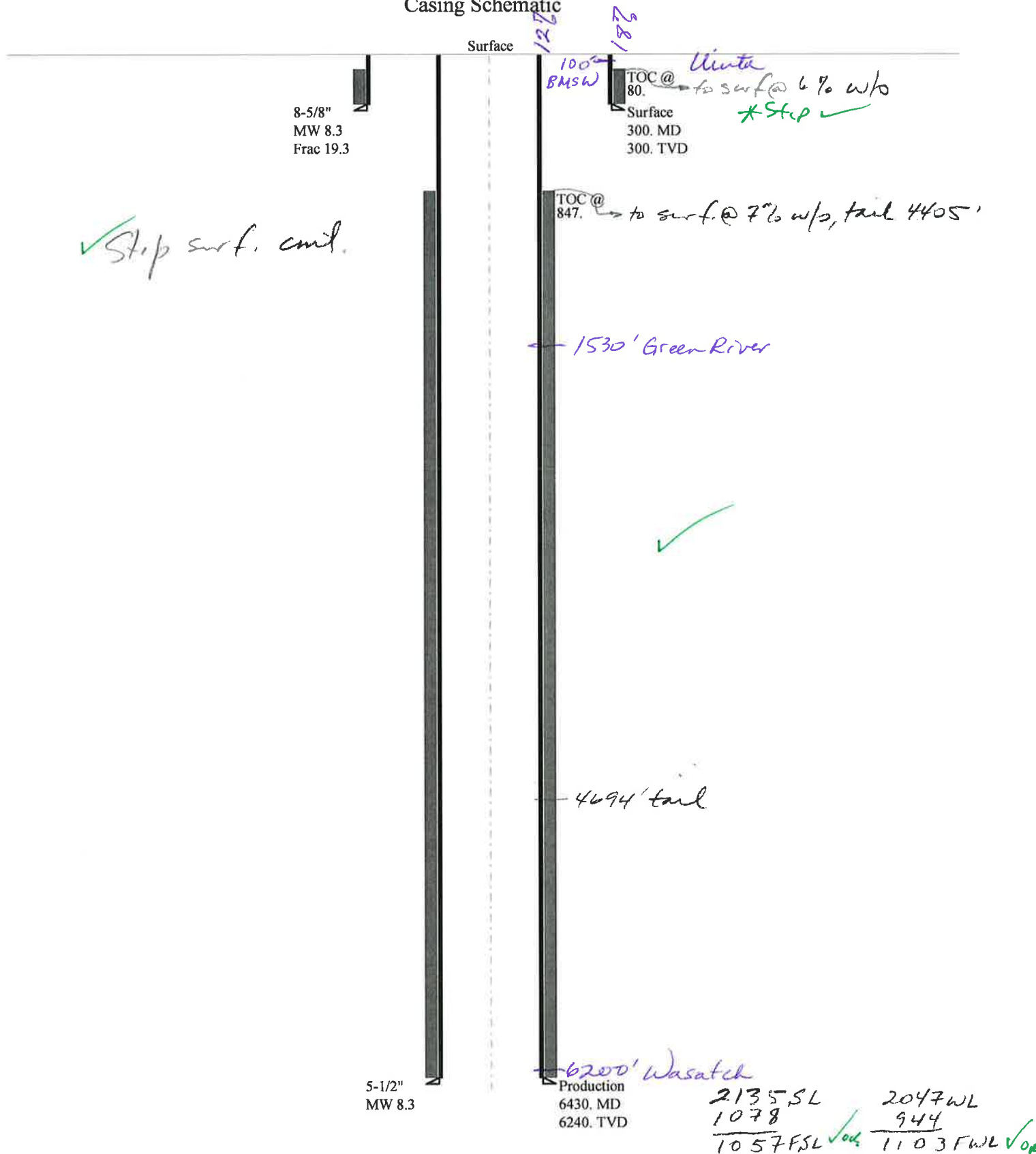
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43047515080000

*Max Pressure Allowed @ Previous Casing Shoe=	<input type="text"/>	psi *Assumes 1psi/ft frac gradient
---	----------------------	------------------------------------

43047515080000 GMBU Q-36-8-17

Casing Schematic



SW SW sec 36-8S-17E

Well name:	43047515080000 GMBU Q-36-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-047-51508
Location:	UINTAH	COUNTY	

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 80 ft

Burst

Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 300 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 262 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,240 ft
Next mud weight: 8.300 ppg
Next setting BHP: 2,690 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 14, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 18, 2011

Well name:	43047515080000 GMBU Q-36-8-17		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-51508
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 161 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 847 ft

Burst

Max anticipated surface pressure: 1,327 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,700 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1432 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 15.64 °

Tension is based on air weight.

Neutral point: 5,613 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6430	5.5	15.50	J-55	LT&C	6240	6430	4.825	22704

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2700	4040	1.496	2700	4810	1.78	96.7	217	2.24 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 14, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6240 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: Apr. 18, 2011

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY						
Well Name	GMBU Q-36-8-17						
API Number	43047515080000	APD No	3496	Field/Unit	MONUMENT BUTTE		
Location: 1/4,1/4	NESW	Sec	36	Tw	8.0S	Rng	17.0E 2135 FSL 2047 FWL
GPS Coord (UTM)	588997 4436183	Surface Owner					

Participants

Floyd Bartlett (DOGM) and Tim Eaton (Newfield).

Regional/Local Setting & Topography

The proposed Greater Monument Butte Q- 36-8-17 oil well is a directional well to be added to and drilled from the existing pad of the 11-36-8-17 water flood injection well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed no surface concerns as it now exists and should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width Length		

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required?

Berm Required? Y

Erosion Sedimentation Control Required?**Paleo Survey Run?****Paleo Potential Observed?****Cultural Survey Run?****Cultural Resources?****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
Final Score		45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the south side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett
Evaluator

3/2/2011
Date / Time

Application for Permit to Drill

Statement of Basis

4/18/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3496	43047515080000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU Q-36-8-17		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	NESW 36 8S 17E S 2135 FSL 2047 FWL GPS Coord (UTM) 588992E 4436179N				

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The base of the moderately saline water at this location is estimated to be at approximately 100 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water.

Brad Hill
APD Evaluator

3/7/2011
Date / Time

Surface Statement of Basis

The proposed Greater Monument Butte Q- 36-8-17 oil well is a directional well to be added to and drilled from the existing pad of the 11-36-8-17 water flood injection well. The area in designated for 20 acre spacing. No changes to the existing pad are needed.

A field review of the existing pad showed no surface concerns as it now exists and should be a suitable for drilling and operating the proposed additional well.

SITLA owns both the surface and minerals. Mr. Jim Davis of SITLA was invited to the evaluation and declined to attend.

Floyd Bartlett
Onsite Evaluator

3/2/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

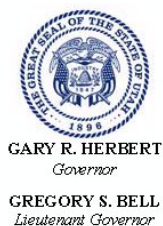
Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/25/2011**API NO. ASSIGNED:** 43047515080000**WELL NAME:** GMBU Q-36-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** NESW 36 080S 170E**Permit Tech Review:** ☒**SURFACE:** 2135 FSL 2047 FWL**Engineering Review:** ☒**BOTTOM:** 1073 FSL 1087 FWL**Geology Review:** ☒**COUNTY:** UINTAH**LATITUDE:** 40.07307**LONGITUDE:** -109.95638**UTM SURF EASTINGS:** 588992.00**NORTHINGS:** 4436179.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-44305**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed

Stipulations: 5 - Statement of Basis - bhill
15 - Directional - dmason
25 - Surface Casing - hmadonald
27 - Other - bhill

RECEIVED: Apr. 18, 2011



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU Q-36-8-17
API Well Number: 43047515080000
Lease Number: ML-44305
Surface Owner: STATE
Approval Date: 4/18/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

^{Spud}
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435=401-0223
Well Name/Number GMBU Q-36-8-17
Qtr/Qtr NE/SW Section 36 Township 8S Range 17E
Lease Serial Number ML-44305
API Number 43-047-51508

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 5/18/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/18/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18063	4304751297	UTE TRIBAL 3-14-4-1E	NENW	14	4S	1E	UINTAH	5/13/2011	5/31/11
WELL 1 COMMENTS: GRRV											
A	99999	18064	4304751298	UTE TRIBAL 5-14-4-1E	SWNW	14	4S	1E	UINTAH	5/19/2011	5/31/11
GRRV											
A	99999	18065	4304751299	UTE TRIBAL 7-14-4-1E	SWNE	14	4S	1E	UINTAH	5/17/2011	5/31/11
GRRV											
A	99999	18066	4304751300	UTE TRIBAL 3-15-4-1E	NENW	15	4S	1E	UINTAH	5/10/2011	5/31/11
GRRV											
B	99999	17400 ✓	4304751505	GMBU H-36-8-17	SENW	36	8S	17E	UINTAH	5/17/2011	5/31/11
GRRV BHL = NWNE											
B	99999	17400 ✓	4304751508	GMBU Q-36-8-17	NESW	36	8S	17E	UINTAH	5/18/2011	5/31/11
GRRV BHL = SWSW											

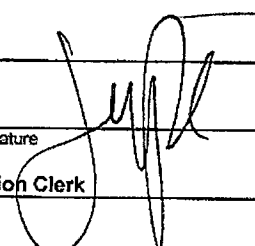
ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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MAY 31 2011

DIV OF OIL GAS & MINING

Signature: 
Jentri Park
Production Clerk
05/31/11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE ML-44305

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

GMBU

1. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

OTHER

8. WELL NAME and NUMBER:

GMBU Q-36-8-17

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4304751508

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

GREATER MB UNIT

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: **2135 FSL 2047 FWL**

COUNTY: Uintah

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 36, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>05/23/2011</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/18/11 MIRU Ross #29. Spud well @9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 314.27. On 5/20/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 4 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold

TITLE _____

SIGNATURE 

DATE 05/23/2011

(This space for State use only)

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DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8"	CASING SET AT	314.27
--------	---------------	--------

LAST CASING	<u>14</u>	SET AT	<u>4</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE		<u>12</u>	
TD DRILLER	<u>310</u>	LOGGER	<u></u>
HOLE SIZE	<u>12 1/4"</u>		

OPERATOR Newfield Exploration Company
WELL GMBU Q-36-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Ross # 29

LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-44305
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU Q-36-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135 FSL 2047 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 36 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047515080000
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/1/2011	OTHER: Weekly Status Report	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above well was completed on 07/01/2011. Attached is a daily completion status report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 7/15/2011	

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Daily Activity Report

Format For Sundry

GMBU Q-36-8-17

4/1/2011 To 8/30/2011

6/15/2011 Day: 1

Completion

Rigless on 6/15/2011 - ran CBL & shot 1st stage - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6366' cement top @ 88'. Perforate stage #1, CP5 sds @ 6144-6148' & CP3 sds 5955-5960' w/ 3 1/8" Port plug guns (11 gram .36" EH 16.82" pen) w/ 3 spf for total of 27 shots. 152 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$16,285

6/27/2011 Day: 2

Completion

Rigless on 6/27/2011 - Perforate, frac & flowback well as detailed - Perforate & frac well as detailed. 1141 BWTR. Open for immediate flowback @ approx 3 BPM. Well flowed for 4 hours & died. Recovered 575 bbls. 566 BWTR.

Daily Cost: \$0

Cumulative Cost: \$86,474

6/30/2011 Day: 3

Completion

WWS #1 on 6/30/2011 - PU tbg & drill out 2 plugs - MIRUSU. Check pressure on well, 250 psi. Change out BOPs. Talley & PU 4 3/4" chomp bit, bit sub & tbg. Tag fill @ 5057'. Clean out to plug @ 5240'. Drill out plug in 18 min. Continue PU tbg & tag fill @ 5529'. Clean out to plug @ 5650'. Drill out plug in 30 min. Wind was blowing too hard to make connections. Circulate well clean. SWIFN. 566 BWTR.

Daily Cost: \$0

Cumulative Cost: \$92,389

7/5/2011 Day: 4

Completion

WWS #1 on 7/5/2011 - + - Check pressure on well, 50 psi tbg & csg. Flush tbg w/ 60 BW. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 20' X 24' RHAC rod pump. PU rods as detailed. RU pumping unit. Stroke test pump w/ unit to 800 psi. 578 BWTR. 144" SL. - Check pressure on well, 150 psi tbg & csg. PU tbg & tag fill @ 6189'. Clean out to PBTD @ 6403'. Circulate well clean. LD 2- jts tbg. RU swab equipment. Made 11 swab runs w/ SFL @ surface & EFL @ 2100'. Recovered 98 bbls ending w/ no show of sand, gas or oil. PU 2- jts tbg & tag PBTD @ 6403 (no new fill). Circulate well clean. LD 7- jts tbg. TOH w/ tbg & LD bit sub & bit. TIH w/ production tbg as detailed. RD rig floor. ND BOPs. Set TA @ 6106' w/ 16,000#s tension. NU wellhead. SWIFN. 578 BWTR. - Check pressure on well, 50 psi tbg & csg. Flush tbg w/ 60 BW. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 20' X 24' RHAC rod pump. PU rods as detailed. RU pumping unit. Stroke test pump w/ unit to 800 psi. 578 BWTR. 144" SL. - Check pressure on well, 150 psi tbg & csg. PU tbg & tag fill @ 6189'. Clean out to PBTD @ 6403'. Circulate well clean. LD 2- jts tbg. RU swab equipment. Made 11 swab runs w/ SFL @ surface & EFL @ 2100'. Recovered 98 bbls ending w/ no show of sand, gas or oil. PU 2- jts tbg & tag PBTD @ 6403 (no new fill). Circulate well clean. LD 7- jts tbg. TOH w/ tbg & LD bit sub & bit. TIH w/ production tbg as detailed. RD rig floor. ND BOPs. Set TA @ 6106' w/ 16,000#s tension. NU wellhead. SWIFN. 578 BWTR. **Finalized**

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Daily Cost: \$0

Cumulative Cost: \$108,207

Pertinent Files: [Go to File List](#)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. ML-44305	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____										6. If Indian, Allottee or Tribe Name	
2. Name of Operator NEWFIELD EXPLORATION COMPANY										7. Unit or CA Agreement Name and No. Greater Monument Butte	
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202										8. Lease Name and Well No. Greater Monument Butte Q-36-8-17	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2135' FSL & 2047' FWL (NE/SW) SEC. 36, T8S, R17E (ML-44305) At top prod. interval reported below 1334' FSL & 1345' FWL (SW/SW) SEC. 36, T8S, R17E (ML-44305) At total depth 1069' FSL & 1112' FWL (SW/SW) SEC. 36, T8S, R17E (ML-44305)										9. AFI Well No. 43-047-51508	
14. Date Spudded 05/18/2011										10. Field and Pool or Exploratory MONUMENT BUTTE	
15. Date T.D. Reached 06/15/2011										11. Sec., T., R., M., on Block and Survey or Area SEC. 36, T8S, R17E	
16. Date Completed 07/01/2011 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.										12. County or Parish UINTAH	
17. Elevations (DF, RKB, RT, GL)* 5018' GL 5030' KB										13. State UT	
18. Total Depth: MD 6430' TVD 6244'										19. Plug Back T.D.: MD 6403' TVD 6217'	
20. Depth Bridge Plug Set: MD TVD										21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)											
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
12-1/4"	8-5/8" J-55	24#	0	310'		160 CLASS G					
7-7/8"	5-1/2" J-55	15.5#	0	6428'		275 PRIMLITE		88'			
						400 50/50 POZ					
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2-7/8"	EOT@ 6205'	TA @ 6107'									
25. Producing Intervals											
Formation		Top	Bottom	26. Perforation Record							
				Perforated Interval	Size	No. Holes	Perf. Status				
A) Green River		5032'	6148'	5032-6148'	.36"	72					
B)											
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval		Amount and Type of Material									
5032-6148'		Frac w/ 109401#s 20/40 sand in 794 bbls of Lightning 17 fluid in 3 stages.									
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
7/13/11	7/24/11	24	→	15	7	8			2-1/2" x 1-3/4" x 24' RHAC Pump		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→					PRODUCING			
28a. Production - Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
			→								

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	5032'	6148'		GARDEN GULCH MRK GARDEN GULCH 1	3984' 4166'
				GARDEN GULCH 2 POINT 3	4285' 4556'
				X MRKR Y MRKR	4786' 4824'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4955' 5207'
				B LIMESTON MRK CASTLE PEAK	5344' 5799'
				BASAL CARBONATE WASATCH	6229' 6352'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer PeatrossTitle Production TechnicianSignature Date 07/28/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 36 T8S, R17E
Q-36-8-17**

Wellbore #1

Design: Actual

Standard Survey Report

23 June, 2011



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: Q-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-36-8-17
TVD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
MD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 36 T8S, R17E				
Site Position:		Northing:	7,200,290.92 ft	Latitude:	40° 4' 35.190 N
From:	Lat/Long	Easting:	2,072,102.31 ft	Longitude:	109° 57' 26.000 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.99 °

Well	Q-36-8-17, SHL LAT: 40 04 22.94 LONG: -109 57 25.36					
Well Position	+N-S	0.0 ft	Northing:	7,199,052.46 ft	Latitude:	40° 4' 22.940 N
	+E-W	0.0 ft	Easting:	2,072,173.43 ft	Longitude:	109° 57' 25.360 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,030.0 ft	Ground Level:	5,018.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/01/31	11.32	65.85	52,341

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	221.21	

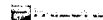
Survey Program	Date	2011/06/23			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
361.0	6,430.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
361.0	0.40	15.30	361.0	1.2	0.3	-1.1	0.11	0.11	0.00
392.0	0.30	67.50	392.0	1.4	0.4	-1.3	1.03	-0.32	168.39
422.0	0.40	73.50	422.0	1.4	0.6	-1.5	0.35	0.33	20.00
453.0	0.35	74.38	453.0	1.5	0.8	-1.6	0.16	-0.16	2.84
483.0	0.50	72.90	483.0	1.5	1.0	-1.8	0.50	0.50	-4.93
513.0	0.50	69.80	513.0	1.6	1.3	-2.0	0.09	0.00	-10.33
544.0	0.10	119.00	544.0	1.6	1.4	-2.2	1.42	-1.29	158.71
574.0	0.30	271.60	574.0	1.6	1.4	-2.1	1.30	0.67	508.67
605.0	0.70	238.60	605.0	1.5	1.1	-1.9	1.54	1.29	-106.45
635.0	1.30	229.10	635.0	1.2	0.7	-1.4	2.07	2.00	-31.67
666.0	1.80	223.20	666.0	0.6	0.1	-0.5	1.69	1.61	-19.03
696.0	2.30	221.70	696.0	-0.2	-0.6	0.5	1.68	1.67	-5.00



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: Q-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-36-8-17
TVD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
MD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
727.0	2.60	215.30	726.9	-1.2	-1.4	1.8	1.31	0.97	-20.65
757.0	3.20	213.20	756.9	-2.5	-2.3	3.4	2.03	2.00	-7.00
787.0	3.60	211.20	786.8	-4.0	-3.2	5.1	1.39	1.33	-6.67
819.0	4.00	213.90	818.8	-5.7	-4.4	7.2	1.37	1.25	8.44
848.0	4.60	216.50	847.7	-7.5	-5.6	9.4	2.17	2.07	8.97
880.0	5.20	218.90	879.6	-9.7	-7.3	12.1	1.98	1.88	7.50
912.0	5.60	219.50	911.4	-12.0	-9.2	15.1	1.26	1.25	1.88
944.0	6.10	219.70	943.3	-14.5	-11.3	18.4	1.56	1.56	0.63
975.0	6.60	217.80	974.1	-17.2	-13.4	21.8	1.75	1.61	-6.13
1,007.0	7.20	218.80	1,005.8	-20.2	-15.8	25.6	1.91	1.88	3.13
1,038.0	7.50	216.50	1,036.6	-23.4	-18.2	29.6	1.36	0.97	-7.42
1,070.0	8.20	216.50	1,068.3	-26.9	-20.8	33.9	2.19	2.19	0.00
1,102.0	8.60	218.40	1,099.9	-30.6	-23.7	38.6	1.52	1.25	5.94
1,134.0	9.10	221.70	1,131.6	-34.3	-26.9	43.5	2.23	1.56	10.31
1,165.0	9.40	223.50	1,162.2	-38.0	-30.2	48.5	1.34	0.97	5.81
1,197.0	9.80	226.80	1,193.7	-41.8	-34.0	53.8	2.13	1.25	10.31
1,229.0	10.20	226.40	1,225.2	-45.6	-38.0	59.4	1.27	1.25	-1.25
1,260.0	10.90	227.90	1,255.7	-49.4	-42.2	65.0	2.43	2.26	4.84
1,292.0	11.60	227.40	1,287.1	-53.7	-46.8	71.2	2.21	2.19	-1.56
1,323.0	11.90	226.30	1,317.4	-58.0	-51.4	77.5	1.21	0.97	-3.55
1,355.0	12.60	226.26	1,348.7	-62.7	-56.3	84.3	2.19	2.19	-0.13
1,386.0	12.92	225.40	1,378.9	-67.4	-61.2	91.1	1.20	1.03	-2.77
1,418.0	13.14	224.50	1,410.1	-72.5	-66.3	98.3	0.94	0.69	-2.81
1,450.0	13.40	223.70	1,441.3	-77.8	-71.5	105.6	0.99	0.81	-2.50
1,482.0	13.80	222.20	1,472.4	-83.3	-76.6	113.1	1.67	1.25	-4.69
1,513.0	14.20	220.70	1,502.4	-88.9	-81.5	120.6	1.74	1.29	-4.84
1,545.0	14.70	220.40	1,533.4	-95.0	-86.7	128.6	1.58	1.56	-0.94
1,576.0	15.10	219.80	1,563.4	-101.1	-91.9	136.6	1.38	1.29	-1.94
1,608.0	15.40	219.50	1,594.3	-107.6	-97.2	145.0	0.97	0.94	-0.94
1,640.0	15.21	216.61	1,625.1	-114.2	-102.4	153.4	2.46	-0.59	-9.03
1,671.0	15.34	218.10	1,655.0	-120.7	-107.4	161.6	1.33	0.42	4.81
1,703.0	15.40	217.30	1,685.9	-127.4	-112.6	170.0	0.69	0.19	-2.50
1,734.0	15.70	218.00	1,715.8	-134.0	-117.7	178.3	1.14	0.97	2.26
1,766.0	16.00	218.80	1,746.5	-140.9	-123.1	187.1	1.16	0.94	2.50
1,798.0	15.80	218.40	1,777.3	-147.7	-128.6	195.8	0.71	-0.63	-1.25
1,830.0	15.70	218.70	1,808.1	-154.5	-134.0	204.5	0.40	-0.31	0.94
1,861.0	15.50	220.70	1,838.0	-160.9	-139.3	212.8	1.85	-0.65	6.45
1,893.0	15.00	221.50	1,868.8	-167.3	-144.8	221.3	1.70	-1.56	2.50
1,924.0	14.60	221.50	1,898.8	-173.2	-150.1	229.2	1.29	-1.29	0.00
1,956.0	14.40	220.10	1,929.8	-179.3	-155.3	237.2	1.26	-0.63	-4.38
1,988.0	14.63	220.41	1,960.8	-185.4	-160.5	245.2	0.76	0.72	0.97
2,019.0	14.94	221.11	1,990.7	-191.4	-165.7	253.1	1.15	1.00	2.26
2,051.0	15.20	221.50	2,021.6	-197.6	-171.2	261.4	0.87	0.81	1.22
2,083.0	15.40	220.63	2,052.5	-204.0	-176.7	269.9	0.95	0.63	-2.72
2,114.0	15.51	221.03	2,082.4	-210.2	-182.1	278.1	0.49	0.35	1.29
2,146.0	15.60	220.60	2,113.2	-216.7	-187.7	286.7	0.46	0.28	-1.34
2,178.0	15.70	221.30	2,144.0	-223.3	-193.4	295.4	0.67	0.31	2.19
2,209.0	15.60	220.90	2,173.9	-229.6	-198.9	303.7	0.47	-0.32	-1.29
2,241.0	15.60	221.00	2,204.7	-236.1	-204.5	312.3	0.08	0.00	0.31
2,272.0	15.70	221.42	2,234.6	-242.3	-210.0	320.7	0.49	0.32	1.35
2,304.0	16.00	221.60	2,265.3	-248.9	-215.8	329.4	0.95	0.94	0.56
2,336.0	16.40	222.60	2,296.1	-255.5	-221.8	338.3	1.52	1.25	3.13
2,367.0	16.10	222.30	2,325.8	-261.9	-227.6	347.0	1.00	-0.97	-0.97
2,399.0	15.70	220.80	2,356.6	-268.5	-233.5	355.8	1.79	-1.25	-4.69



PayZone Directional Services, LLC.

Survey Report

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: Q-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-36-8-17
TVD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
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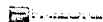
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,431.0	15.90	220.90	2,387.4	-275.1	-239.2	364.5	0.63	0.63	0.31
2,462.0	16.10	221.90	2,417.2	-281.5	-244.8	373.0	1.10	0.65	3.23
2,494.0	15.90	221.40	2,448.0	-288.1	-250.7	381.9	0.76	-0.63	-1.56
2,526.0	15.70	220.60	2,478.7	-294.6	-256.4	390.6	0.92	-0.63	-2.50
2,557.0	15.50	220.90	2,508.6	-301.0	-261.8	398.9	0.70	-0.65	0.97
2,589.0	15.60	221.30	2,539.4	-307.4	-267.5	407.5	0.46	0.31	1.25
2,620.0	16.20	221.10	2,569.2	-313.8	-273.1	416.0	1.94	1.94	-0.65
2,652.0	16.40	223.00	2,600.0	-320.5	-279.1	425.0	1.78	0.63	5.94
2,684.0	16.80	224.70	2,630.6	-327.1	-285.4	434.1	1.97	1.25	5.31
2,715.0	17.00	224.20	2,660.3	-333.5	-291.7	443.1	0.80	0.65	-1.61
2,747.0	16.90	223.90	2,690.9	-340.2	-298.2	452.4	0.42	-0.31	-0.94
2,779.0	17.10	224.45	2,721.5	-346.9	-304.7	461.8	0.80	0.63	1.72
2,810.0	17.40	223.50	2,751.1	-353.5	-311.1	470.9	1.33	0.97	-3.06
2,842.0	17.30	222.60	2,781.6	-360.5	-317.6	480.5	0.90	-0.31	-2.81
2,873.0	17.10	221.60	2,811.3	-367.3	-323.8	489.6	1.15	-0.65	-3.23
2,905.0	16.60	221.00	2,841.9	-374.3	-329.9	498.9	1.65	-1.56	-1.88
2,937.0	15.90	219.10	2,872.6	-381.1	-335.7	507.9	2.75	-2.19	-5.94
2,968.0	15.40	219.00	2,902.5	-387.6	-340.9	516.2	1.62	-1.61	-0.32
3,000.0	15.20	217.20	2,933.3	-394.3	-346.1	524.6	1.61	-0.63	-5.63
3,031.0	15.10	216.90	2,963.2	-400.7	-351.0	532.7	0.41	-0.32	-0.97
3,063.0	15.10	216.80	2,994.1	-407.4	-356.0	541.0	0.08	0.00	-0.31
3,095.0	15.40	218.00	3,025.0	-414.1	-361.1	549.4	1.36	0.94	3.75
3,127.0	15.80	219.90	3,055.8	-420.8	-366.5	558.0	2.03	1.25	5.94
3,158.0	15.70	220.90	3,085.7	-427.2	-372.0	566.5	0.93	-0.32	3.23
3,190.0	16.30	224.20	3,116.4	-433.7	-378.0	575.3	3.40	1.88	10.31
3,222.0	16.80	225.20	3,147.1	-440.2	-384.4	584.4	1.80	1.56	3.13
3,253.0	17.50	227.90	3,176.7	-446.4	-391.0	593.5	3.42	2.26	8.71
3,285.0	17.80	227.40	3,207.2	-453.0	-398.2	603.1	1.05	0.94	-1.56
3,317.0	17.80	228.20	3,237.7	-459.5	-405.4	612.8	0.76	0.00	2.50
3,348.0	16.90	225.50	3,267.3	-465.9	-412.2	622.0	3.89	-2.90	-8.71
3,379.0	16.40	224.10	3,297.0	-472.2	-418.4	630.9	2.07	-1.61	-4.52
3,411.0	16.70	224.80	3,327.7	-478.7	-424.8	640.0	1.13	0.94	2.19
3,442.0	17.00	223.70	3,357.3	-485.1	-431.1	649.0	1.41	0.97	-3.55
3,474.0	17.40	223.60	3,387.9	-492.0	-437.6	658.4	1.25	1.25	-0.31
3,507.0	17.40	223.32	3,419.4	-499.1	-444.4	668.3	0.25	0.00	-0.85
3,537.0	17.10	223.00	3,448.0	-505.6	-450.5	677.2	1.05	-1.00	-1.07
3,569.0	16.70	222.00	3,478.7	-512.5	-456.8	686.5	1.55	-1.25	-3.13
3,600.0	16.30	220.20	3,508.4	-519.1	-462.6	695.3	2.09	-1.29	-5.81
3,632.0	15.65	217.80	3,539.1	-525.9	-468.1	704.1	2.90	-2.03	-7.50
3,664.0	15.30	216.72	3,570.0	-532.7	-473.3	712.6	1.42	-1.09	-3.38
3,696.0	15.50	216.20	3,600.8	-539.6	-478.3	721.0	0.76	0.63	-1.63
3,727.0	15.60	217.20	3,630.7	-546.2	-483.3	729.3	0.92	0.32	3.23
3,759.0	15.60	219.30	3,661.5	-553.0	-488.6	737.9	1.76	0.00	6.56
3,791.0	15.50	219.10	3,692.3	-559.6	-494.0	746.5	0.35	-0.31	-0.63
3,822.0	15.60	220.50	3,722.2	-566.0	-499.4	754.8	1.25	0.32	4.52
3,854.0	15.50	220.50	3,753.0	-572.5	-504.9	763.4	0.31	-0.31	0.00
3,886.0	15.00	219.60	3,783.9	-579.0	-510.4	771.8	1.73	-1.56	-2.81
3,917.0	14.30	217.90	3,813.9	-585.1	-515.3	779.6	2.65	-2.26	-5.48
3,949.0	14.00	219.10	3,844.9	-591.2	-520.1	787.4	1.31	-0.94	3.75
3,980.0	13.90	217.12	3,875.0	-597.1	-524.7	794.9	1.57	-0.32	-6.39
4,011.0	14.20	217.60	3,905.1	-603.1	-529.3	802.4	1.04	0.97	1.55
4,043.0	14.60	219.00	3,936.1	-609.3	-534.2	810.4	1.66	1.25	4.38
4,075.0	15.40	219.90	3,967.0	-615.7	-539.5	818.6	2.60	2.50	2.81
4,106.0	16.00	222.00	3,996.8	-622.1	-545.0	827.0	2.67	1.94	6.77



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
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Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-36-8-17
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,138.0	15.90	222.00	4,027.6	-628.6	-550.9	835.8	0.31	-0.31	0.00
4,170.0	15.80	222.40	4,058.4	-635.1	-556.8	844.6	0.46	-0.31	1.25
4,201.0	15.90	222.30	4,088.2	-641.3	-562.5	853.0	0.33	0.32	-0.32
4,233.0	16.30	224.70	4,119.0	-647.8	-568.6	861.9	2.43	1.25	7.50
4,264.0	16.10	224.50	4,148.7	-653.9	-574.6	870.5	0.67	-0.65	-0.65
4,296.0	15.80	224.10	4,179.5	-660.2	-580.8	879.3	1.00	-0.94	-1.25
4,327.0	15.20	221.40	4,209.4	-666.3	-586.4	887.6	3.03	-1.94	-8.71
4,359.0	15.10	222.30	4,240.3	-672.5	-592.0	895.9	0.80	-0.31	2.81
4,391.0	14.70	219.40	4,271.2	-678.7	-597.4	904.2	2.64	-1.25	-9.06
4,422.0	14.60	219.00	4,301.2	-684.8	-602.3	912.0	0.46	-0.32	-1.29
4,454.0	14.60	220.80	4,332.1	-691.0	-607.5	920.1	1.42	0.00	5.63
4,486.0	14.40	219.00	4,363.1	-697.1	-612.6	928.1	1.54	-0.63	-5.63
4,518.0	14.40	217.90	4,394.1	-703.4	-617.6	936.0	0.85	0.00	-3.44
4,549.0	14.40	217.80	4,424.1	-709.5	-622.3	943.7	0.08	0.00	-0.32
4,581.0	14.70	217.40	4,455.1	-715.8	-627.2	951.7	0.99	0.94	-1.25
4,613.0	14.80	219.70	4,486.1	-722.2	-632.3	959.9	1.86	0.31	7.19
4,644.0	14.30	219.10	4,516.1	-728.2	-637.2	967.7	1.68	-1.61	-1.94
4,676.0	14.50	220.60	4,547.1	-734.3	-642.3	975.6	1.32	0.63	4.69
4,708.0	14.70	220.40	4,578.0	-740.5	-647.6	983.7	0.64	0.63	-0.63
4,739.0	15.40	222.30	4,608.0	-746.5	-652.9	991.7	2.76	2.26	6.13
4,771.0	15.70	223.10	4,638.8	-752.8	-658.7	1,000.3	1.15	0.94	2.50
4,803.0	15.50	222.30	4,669.6	-759.1	-664.6	1,008.9	0.92	-0.63	-2.50
4,834.0	15.20	222.40	4,699.5	-765.2	-670.1	1,017.1	0.97	-0.97	0.32
4,866.0	15.10	222.30	4,730.4	-771.4	-675.7	1,025.5	0.32	-0.31	-0.31
4,898.0	14.70	221.70	4,761.3	-777.5	-681.2	1,033.7	1.34	-1.25	-1.88
4,929.0	14.50	222.00	4,791.3	-783.3	-686.4	1,041.5	0.69	-0.65	0.97
4,961.0	14.50	219.80	4,822.3	-789.4	-691.7	1,049.5	1.72	0.00	-6.88
4,993.0	14.30	221.40	4,853.3	-795.4	-696.9	1,057.5	1.39	-0.63	5.00
5,024.0	14.70	221.70	4,883.3	-801.2	-702.0	1,065.2	1.31	1.29	0.97
5,056.0	15.10	221.50	4,914.2	-807.4	-707.5	1,073.5	1.26	1.25	-0.63
5,088.0	14.90	221.90	4,945.1	-813.6	-713.0	1,081.8	0.70	-0.63	1.25
5,119.0	14.70	222.30	4,975.1	-819.4	-718.3	1,089.7	0.72	-0.65	1.29
5,141.9	14.70	221.94	4,997.3	-823.7	-722.2	1,095.5	0.40	0.00	-1.56
Q-36-8-17 TGT									
5,151.0	14.70	221.80	5,006.1	-825.5	-723.7	1,097.8	0.40	0.00	-1.56
5,183.0	14.60	222.40	5,037.0	-831.5	-729.2	1,105.9	0.57	-0.31	1.88
5,214.0	14.00	222.70	5,067.1	-837.1	-734.3	1,113.5	1.95	-1.94	0.97
5,246.0	14.10	223.80	5,098.1	-842.8	-739.7	1,121.3	0.89	0.31	3.44
5,278.0	14.00	222.80	5,129.2	-848.4	-745.0	1,129.1	0.82	-0.31	-3.13
5,309.0	14.10	222.00	5,159.2	-854.0	-750.1	1,136.6	0.70	0.32	-2.58
5,341.0	14.10	220.70	5,190.3	-859.8	-755.2	1,144.4	0.99	0.00	-4.06
5,372.0	14.10	217.80	5,220.3	-865.7	-760.0	1,151.9	2.28	0.00	-9.35
5,404.0	14.50	218.30	5,251.3	-871.9	-764.9	1,159.8	1.31	1.25	1.56
5,436.0	14.70	220.70	5,282.3	-878.1	-770.0	1,167.9	1.99	0.63	7.50
5,467.0	15.00	221.70	5,312.3	-884.1	-775.2	1,175.8	1.27	0.97	3.23
5,499.0	15.60	224.80	5,343.1	-890.2	-781.0	1,184.3	3.17	1.88	9.69
5,531.0	15.70	224.50	5,373.9	-896.4	-787.1	1,192.9	0.40	0.31	-0.94
5,562.0	15.30	225.20	5,403.8	-902.3	-792.9	1,201.2	1.42	-1.29	2.26
5,594.0	14.90	224.30	5,434.7	-908.2	-798.8	1,209.5	1.45	-1.25	-2.81
5,626.0	15.00	223.10	5,465.6	-914.1	-804.5	1,217.7	1.02	0.31	-3.75
5,657.0	15.20	221.00	5,495.6	-920.1	-809.9	1,225.8	1.88	0.65	-6.77
5,689.0	15.10	220.40	5,526.4	-926.5	-815.3	1,234.2	0.58	-0.31	-1.88
5,720.0	15.10	221.50	5,556.4	-932.6	-820.6	1,242.2	0.92	0.00	3.55
5,752.0	14.90	221.50	5,587.3	-938.8	-826.1	1,250.5	0.63	-0.63	0.00



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 36 T8S, R17E
Well: Q-36-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Q-36-8-17
TVD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
MD Reference: Q-36-8-17 @ 5030.0ft (Newfield Rig #2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,784.0	14.50	222.00	5,618.2	-944.8	-831.5	1,258.6	1.31	-1.25	1.56
5,815.0	14.40	221.90	5,648.3	-950.6	-836.7	1,266.4	0.33	-0.32	-0.32
5,847.0	14.80	220.20	5,679.2	-956.7	-842.0	1,274.4	1.83	1.25	-5.31
5,879.0	15.20	220.40	5,710.1	-963.0	-847.4	1,282.7	1.26	1.25	0.63
5,910.0	15.50	220.30	5,740.0	-969.2	-852.7	1,290.9	0.97	0.97	-0.32
5,942.0	15.60	221.60	5,770.9	-975.7	-858.3	1,299.5	1.13	0.31	4.06
5,974.0	15.60	220.80	5,801.7	-982.2	-864.0	1,308.1	0.67	0.00	-2.50
6,005.0	15.50	220.70	5,831.5	-988.5	-869.4	1,316.4	0.33	-0.32	-0.32
6,037.0	15.10	221.10	5,862.4	-994.9	-874.9	1,324.9	1.29	-1.25	1.25
6,069.0	14.70	220.30	5,893.3	-1,001.1	-880.3	1,333.1	1.41	-1.25	-2.50
6,100.0	14.50	221.00	5,923.3	-1,007.0	-885.4	1,340.9	0.86	-0.65	2.26
6,132.0	14.40	221.20	5,954.3	-1,013.1	-890.6	1,348.9	0.35	-0.31	0.63
6,164.0	14.20	222.50	5,985.3	-1,018.9	-895.9	1,356.8	1.18	-0.63	4.06
6,195.0	14.00	222.60	6,015.4	-1,024.5	-901.0	1,364.3	0.65	-0.65	0.32
6,227.0	13.10	221.80	6,046.5	-1,030.1	-906.0	1,371.8	2.87	-2.81	-2.50
6,259.0	12.80	220.60	6,077.7	-1,035.5	-910.8	1,379.0	1.26	-0.94	-3.75
6,291.0	12.90	218.30	6,108.9	-1,041.0	-915.3	1,386.1	1.63	0.31	-7.19
6,322.0	13.00	218.30	6,139.1	-1,046.4	-919.6	1,393.1	0.32	0.32	0.00
6,354.0	13.20	218.20	6,170.3	-1,052.1	-924.1	1,400.3	0.63	0.63	-0.31
6,377.0	13.00	218.60	6,192.7	-1,056.2	-927.3	1,405.5	0.95	-0.87	1.74
6,426.0	13.00	218.60	6,240.4	-1,064.8	-934.2	1,416.5	0.00	0.00	0.00
6,430.0	13.00	218.60	6,244.3	-1,065.5	-934.8	1,417.4	0.00	0.00	0.00

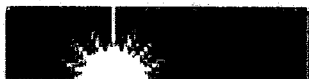
Wellbore Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Q-36-8-17 TGT	0.00	0.99	5,000.0	-816.3	-714.9	7,198,223.97	2,071,472.77	40° 4' 14.872 N	109° 57' 34.556 W
- actual wellpath misses target center by 10.8ft at 5141.9ft MD (4997.3 TVD, -823.7 N, -722.2 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



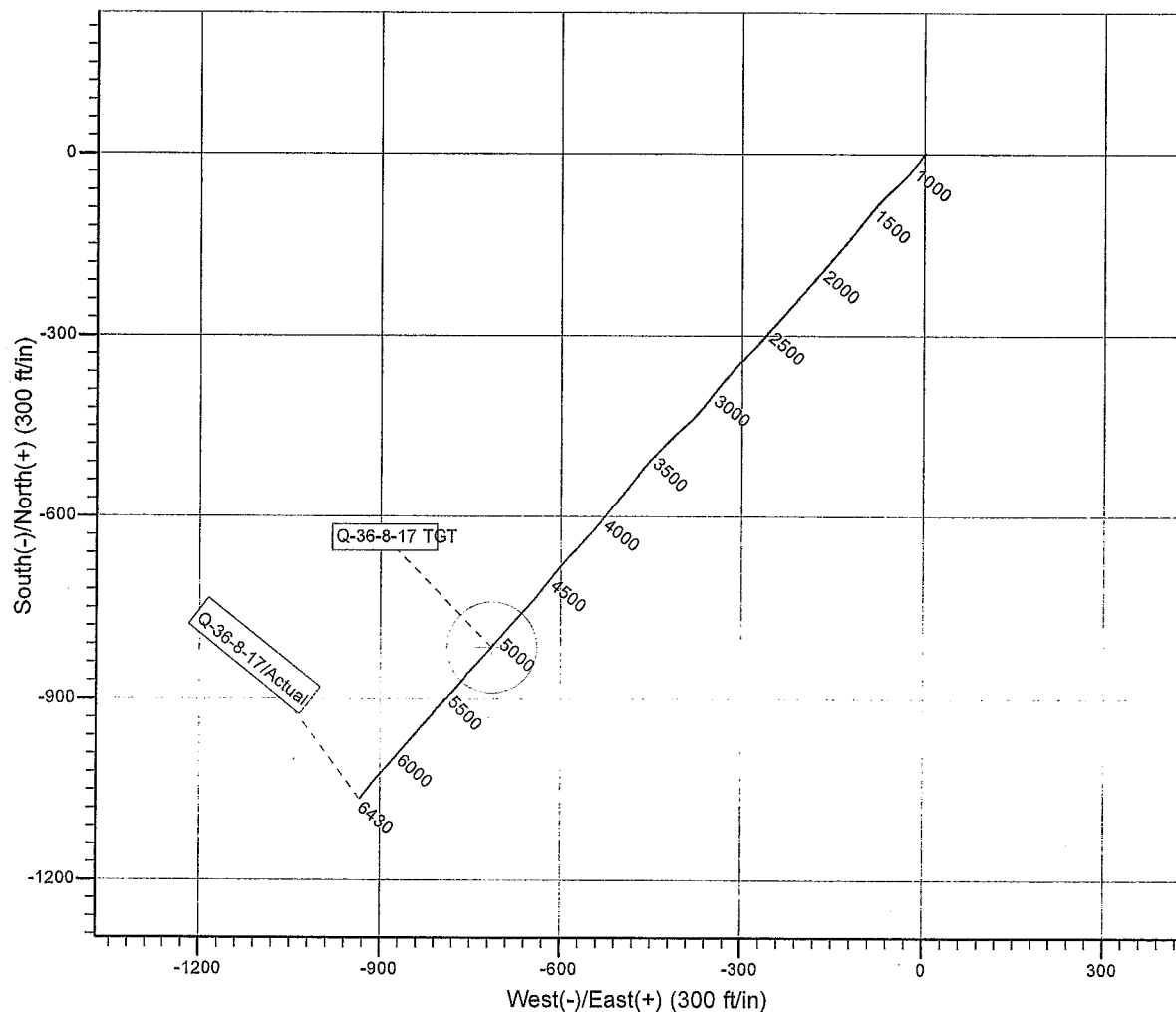
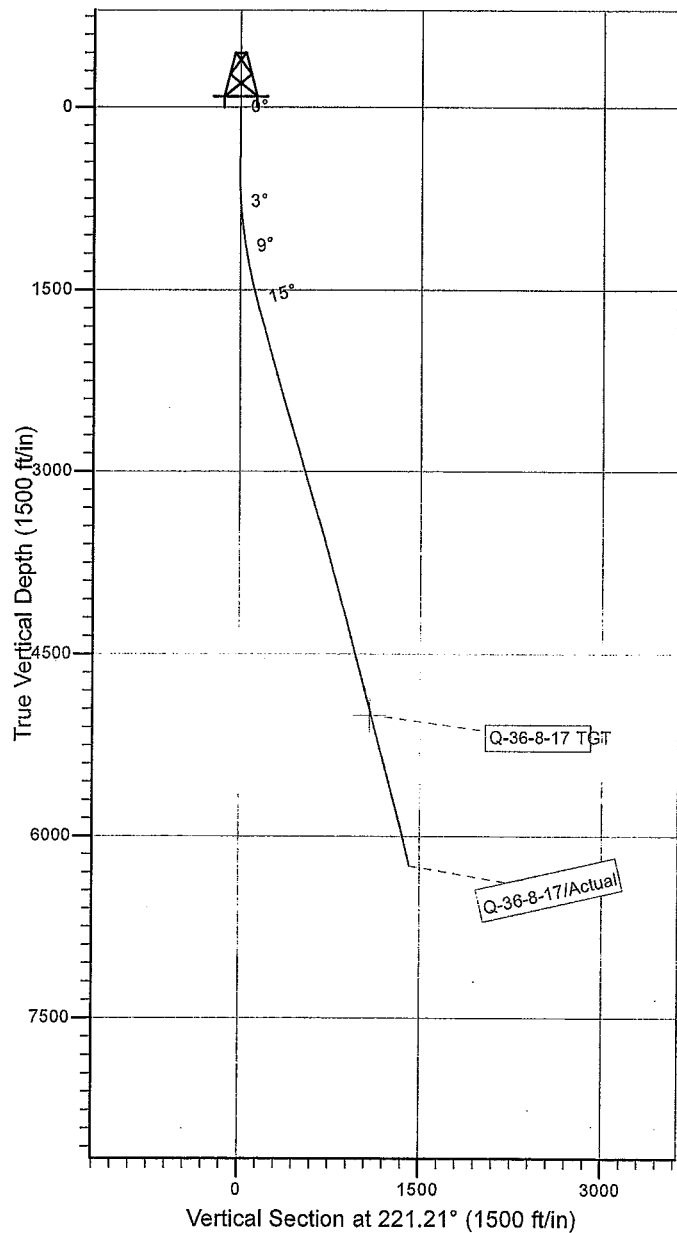
Project: USGS Myton SW (UT)
 Site: SECTION 36 T8S, R17E
 Well: Q-36-8-17
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North
 Magnetic North: 11.32°

Magnetic Field
 Strength: 52341.1snT
 Dip Angle: 65.85°
 Date: 2011/01/31
 Model: IGRF2010



Design: Actual (Q-36-8-17/Wellbore #1)



Created By: Sarah Webb Date: 16:06, June 23 2011
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

GMBU Q-36-8-17**4/1/2011 To 8/30/2011****GMBU Q-36-8-17****Waiting on Cement****Date:** 5/20/2011

Ross #29 at 310. Days Since Spud - On 5/18/11 Ross #29 spud and drilled 310' of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set - 314.27 'KB. On 5/20/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 4bbls to pit, bump plug to 480psi, BLM and State were notified of spud via email.

Daily Cost: \$0**Cumulative Cost:** \$62,394

GMBU Q-36-8-17**Rigging down****Date:** 6/10/2011

NDSI #2 at 0. 0 Days Since Spud - Tear down and prepair for field rig move moving to the GMBU Q-36-8-17

Daily Cost: \$0**Cumulative Cost:** \$75,493

GMBU Q-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 6/11/2011

NDSI #2 at 1411. 1 Days Since Spud - PSI for 10 min. Test surface casing @ 1500 psi for 30 minutes all tests good. - Kelly, Safety valve and choke manifold & choke line , pipe rams , blind rams, to a high pressure 2,000 - On 6/9/2011 BLM & other agencies were notified of rig move and BOPE test via e-mail @ 1:06 PM . - On 6/10/2011 MIRU set all equipment w/liddell trucking (1 mile rig move from the GMBU H-36-8-17) - Pick up BHA as follows Hughes Q506F 7 7/8" PDC ,Hunting 7/8 4.3.33 degree mud motor.NM Monel - 31.05',1x3.39'Double Gap 1x2.11 Index sub,and 1x5.28'NM pony 26 HWDP Tag @ 280' - Drill 7 7/8" borehole with fresh water from a depth of 280' to 1411' - Circulate bottoms up Trip out of hole for directional tools, Replace gap sub. - Accept rig on 6/10/2011 @ 12:30 PM Conducted safety meeting with B & C Quick testors R/U and test

Daily Cost: \$0**Cumulative Cost:** \$101,170

GMBU Q-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 6/12/2011

NDSI #2 at 3464. 2 Days Since Spud - Drill 7-7/8" borehole from a depth of 2262' to 3464' Wob15 k TRPM160 GPM 400 Rop 106 fph. - Lubricate rig ,check crowonomatic held BOP drill, Safety meeting held on tripping pipe. - Drill 7-7/8" borehole from a depth of 1411' to 2262 Wob15k TRPM160 GPM 400 Rop 106 fph. - Trip out or hole for directional tools replaced, tripped back in hole with newtools, break circulation - Trip in hole with BHA run test on directional tools failed. - No H2S reported last 24 Hrs

Daily Cost: \$0**Cumulative Cost:** \$120,431

GMBU Q-36-8-17**Drill 7 7/8" hole with fresh water****Date:** 6/13/2011

NDSI #2 at 5046. 3 Days Since Spud - Drill 7-7/8" borehole from a depth of 3464' to 4096' Wob17 k TRPM160 GPM 400 Rop 79 fph. - Drill 7-7/8" borehole from a depth of 4096' to

5046' Wob 22 k TRPM160 GPM 400 Rop 61' fph. - Lubricate rig function test crown-omatic & BOP Safety meeting topic cathead.

Daily Cost: \$0

Cumulative Cost: \$158,545

GMBU Q-36-8-17

Drill 7 7/8" hole with fresh water

Date: 6/14/2011

NDSI #2 at 6248. 4 Days Since Spud - Lubricate rig function test crown-omatic & BOP Safety meeting topic house keeping. - Drill 7-7/8" borehole from a depth of 5520' to 6248' Wob 22 k TRPM160 GPM 400 Rop 52' fph. - Drill 7-7/8" borehole from a depth of 5046' to 5520' Wob 22 k TRPM160 GPM 400 Rop 49' fph. - No H2S reported last 24 Hrs Last MD survey 5626' Inc Angle 15.60 DD 224.80 Dog leg severity.3.17

Daily Cost: \$0

Cumulative Cost: \$188,478

GMBU Q-36-8-17

Wait on Completion

Date: 6/15/2011

NDSI #2 at 6430. 5 Days Since Spud - +bwoc Sodium Metasilicate+54.7%H2O Displace w 152 bbls returned 20 bbls cmt to pit bump plug to 2384 - +3%bwow Potassium Chloride+0.5%bwoc EC-1+.25lbs/sks cello flake+0.002gps FP-6Lbwoc bentonite - Then pumped 400 sks tail cmt@14.4&1,24(50:50)Poz(FlyAsh):Class G cmt+0.05 llb sks Static free - gps FP-6L+10%bwoc bentonite+0.5%BWOC Sodium Metasilicate+5llb/sks CSE+2+204.7%. - ll cmt+0.05llb/sk static free+bwow Potassium chloride+0.5llb/sks cello flake+2llbs/sks KO-seal+0.002 - PSI test to 4400 psi,Pump 275 sks of laed cmt pumped @ 11ppg&3.53yld (Premium lit - P/U Cameron Mandril and landing joint.Circulate bottoms up with rig pump. - Conduct safety meeting with csg crew & R/U Liddell crew run 154 jts 5.5"j55 15.5#LTC set @ 6428' - R/U B&C Quick test 5.5 casing rams - Suite logs,Litho Density, From loggers TD (6425')to surface casing - R/U PSI loggers and run Gamma Ray,Compensated Neutron,Compensated Density,Caliper,Dual Guard/ - Lay down drill string to 4000' spot 260 bbls brine H2O Continue laying down string ,BHA directional. - Nipple down clean mud tanks tear down prepair for field rig move rig released @ 10:00 AM 6/15/2011 - Drill 7-7/8" borehole from a depth of 6248' to 6430' Wob 22 k TRPM160 GPM 400 Rop 60' fph. - Circulate & Condition borehole for lay down & logs.

Daily Cost: \$0

Cumulative Cost: \$348,322

GMBU Q-36-8-17

Wait on Completion

Date: 6/16/2011

NDSI #2 at 6430. 6 Days Since Spud - Tear down on the GMBU Q-36-8-17 move equipment Rig released @ 10:00 AM 6/15/2011 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$352,293

Pertinent Files: Go to File List